

Well Constructor Continuing Education Committee Minutes  
Friday December 21, 2007

Committee Members Present: Greg McInnis, Mike Waldroop, Terry Daugherty, Kris Byrd  
Others Present: Juno Pandian, Tracy Eichenlaub

A) Cont. Ed. Committee Meeting Minutes

The draft minutes from the October 17, 2007, meeting were reviewed. McInnis motioned to approve the draft minutes as is, Daugherty seconded. The vote was all in favor.

B) Other Issues  
None

D) Review of Documentation

**Roger Smith, #10225** submitted:  
documentation for “**Water Right Examiner Workshop**” taken **November 16, 2007, in Salem, Oregon** sponsored by **the Oregon Water Resources Department**. McInnis motioned to assign **six (6) CECs in the OR gw/well laws category**, Daugherty seconded. The vote was all in favor.

C) Review of Applications

- The Cont. Ed. Committee reviewed the course application for “**Round Table: Surface Seals**” submitted by the **WSGWA**. This course was previously reviewed as a 30 minute course and assigned 0.5 CEC. The course ended up being one hour so the sponsor submitted an amended application for review. The instructors are Craig Gresham and Scott Fowler. This was part of the **2007 WSGWA Fall Seminar Series, November 9, 2007, in Kelso, WA**. Daugherty motioned to assign **one (1) CEC**, Waldroop seconded. The vote was all in favor.

---

- The Cont. Ed. Committee reviewed the course application for “**Water Well Construction Basics**” **scheduled for November 8, 2007**, submitted by the **California Ground Water Association (CGA)**. The instructors are Jeremy Wire, Geoconsultants, Inc.; Ron Hedman, Dan Hedman, Hedman Drilling Co.; and Carl Hauge, California Department of Water Resources (ret.). This course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, Nevada (NV)**. Discussion: the course is from 8:00 a.m. to 4:00 p.m., the Cont. Ed. Committee agreed to not count the lunch break and the section on California rules. McInnis motioned to assign **6.5 CECs**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the course application for “**Pumps & Motors**”

- scheduled for November 8, 2007, submitted by the CGA. The instructor is Bob Pelikan. This course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. Discussion: the course is from 8:00 a.m. to 4:00 p.m., the Cont. Ed. Committee agreed to not count the lunch break. Daugherty motioned to assign **3.5 CECs**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the course application for **“Accounting for Profits” scheduled for November 8, 2007**, submitted by the CGA. The instructor is Bill Zimmerman, Grundfos Pumps. This two (2) hour course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. Daugherty motioned to assign **two (2) CECs**, McInnis seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the course application for **“Well Development” scheduled for November 9, 2007**, submitted by the CGA. The instructor is Dave Hanson, Design Water Technologies. This two (2) hour course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. McInnis motioned to assign **two (2) CECs**, Daugherty seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the course application for **“Submersible Pump Failure Analysis & Troubleshooting” scheduled for November 9, 2007**, submitted by the CGA. The instructors are Randy Mather, Consolidated Pump & Supply and Matt Moore, Franklin Electric. This two (2) hour course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. Daugherty motioned to assign **one (1) CEC**, McInnis seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the course application for **“Water Treatment & Application” scheduled for November 9, 2007**, submitted by the CGA. The instructor is Andy Warnes, GE Homespring. This two (2) hour course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. Waldroop motioned to assign **one (1) CEC**, McInnis seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the course application for **“Tools of the Trade - Fishing Tools” scheduled for November 9, 2007**, submitted by the CGA. The instructor is Bob Guardino, Water Well Technology. This 30 minute course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. Daugherty motioned to assign **0.5 CEC**, McInnis seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the course application for **“Water & Oil - They Really Should Mix” scheduled for November 9, 2007**, submitted by the CGA. The instructor is Edd Schofield. This one hour 30 minute course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. Daugherty motioned to assign **1.5 CECs**, Waldroop seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the course application for **“Tools of the Trade - Homespring System (filtration)” scheduled for November 9, 2007**, submitted by the CGA. The instructor is Andy Warnes, GE Homespring. This 30 minute course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. McInnis motioned to assign **0.5 CEC**, Waldroop seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the course application for **“Tools of the Trade - Specialty Tools with Down Hole Hammers” scheduled for November 9, 2007**,

submitted by the CGA. The instructor is Darwin Hollar. This 30 minute course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. Byrd motioned to assign **0.5 CEC**, Daugherty seconded. The vote was all in favor.

- The Cont. Ed. Committee reviewed the course application for **“Tools of the Trade - Portable Cement Mixer” scheduled for November 10, 2007**, submitted by the CGA. The instructors are Gary Mickelson and Rod MacDonald, Marin Landscape. This 30 minute course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. Byrd motioned to assign **0.5 CEC**, Waldroop seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the course application for **“Tools of the Trade - Repairing PVC Casing” scheduled for November 10, 2007**, submitted by the CGA. The instructor is Mike Guardino, Welenco. This 30 minute course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. McInnis motioned to assign **0.5 CEC**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the course application for **“Tools of the Trade - Super Jaws System” scheduled for November 10, 2007**, submitted by the CGA. The instructor is Virginia Lennox, Numa Hammers. This 30 minute course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. Waldroop motioned to assign **0.5 CEC**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the course application for **“Handling Paperwork (HR, Contracts, Insurance)” scheduled for November 10, 2007**, submitted by the CGA. The instructor is Cesar Farfan, SCIF. This two (2) hour course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. Byrd motioned to assign **two (2) CECs**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the course application for **“Well Cleaning Techniques” scheduled for November 10, 2007**, submitted by the CGA. The instructor is Bob Guardino, Water Well Technology. This two (2) hour course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. Daugherty motioned to assign **two (2) CECs**, Waldroop seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the course application for **“Geology and Well Capacity Testing” scheduled for November 10, 2007**, submitted by the CGA. The instructor is Jeremy Wire, Geoconsultants, Inc. This two (2) hour course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. Byrd motioned to assign **two (2) CECs**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the course application for **“Increase Drilling Productivity” scheduled for November 10, 2007**, submitted by the CGA. The instructor is Ron Boyd, Atlas Copco. This two (2) hour course is part of the **2007 CGA Convention, November 8-10, 2007, in Reno, NV**. McInnis motioned to assign **two (2) CECs**, Byrd seconded. The vote was all in favor.

- 
- The Cont. Ed. Committee reviewed the agenda for **“Water Issues in Idaho” scheduled for January 8, 2008**, sponsored by the **Idaho Ground Water Association (IGWA)**. The instructor is Norm Semanko, Idaho Water Users Association. This one (1) hour course is part of the **2008 Annual Convention held January 7-9, 2008, in Boise, Idaho (ID)**. Waldroop motioned **not to assign CEC**, Daugherty seconded. The vote was all in

- favor.
- The Cont. Ed. Committee reviewed the agenda for **“All You Need to Know About Pipe Threads” scheduled for January 8, 2008**, sponsored by the **IGWA**. The instructor is Kyle Widdison, Widdison Turbine & Pump. This one (1) hour course is part of the **2008 Annual Convention held January 7-9, 2008, in Boise, ID**. Waldroop motioned to assign **one (1) CEC**, McInnis seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Common Compliance Problems with Idaho Well Construction Rules: Idaho Driller Licensing Rules and Idaho Code” scheduled for January 8, 2008**, sponsored by the **IGWA**. The instructors are Tom Neace and Chad Hersley, Idaho Department of Water Resources (IDWR). This one (1) hour course is part of the **2008 Annual Convention held January 7-9, 2008, in Boise, ID**. McInnis motioned **not to assign CEC**, Byrd seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“IDWR Report/Updates” scheduled for January 8, 2008**, sponsored by the **IGWA**. The instructor is Dave Tuthill, IDWR. This 50 minute course is part of the **2007 Annual Convention held January 7-9, 2008, in Boise, ID**. Waldroop motioned **not to assign CEC**, McInnis seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Well Cleaning & Rehabilitation”** sponsored by the **IGWA**. The instructor is Thom Hanna, Johnson Screens. This one (1) hour course is part of the **2008 Annual Convention held January 7-9, 2008, in Boise, ID**. Daugherty motioned to assign **one (1) CEC**, McInnis seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Test Pumping for Dummies” scheduled for January 8, 2008**, sponsored by the **IGWA, January 8, 2008**. The instructor is Kyle Widdison, Widdison Turbine & Pump. This one (1) hour course is part of the **2008 Annual Convention held January 7-9, 2008, in Boise, ID**. Daugherty motioned to assign **0.5 CEC**, McInnis seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Underground Propane Tanks and Federal/State/Local Regulations” scheduled for January 9, 2008**, sponsored by the **IGWA**. The instructor is Kevin Keller, PPS of Soda Springs. This one (1) hour course is part of the **2008 Annual Convention held January 7-9, 2008, in Boise, ID**. Daugherty motioned to assign **one (1) CEC**, Waldroop seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Geology for Drillers” scheduled for January 9, 2008**, sponsored by the **IGWA**. The instructor is Tom Wood, Clearwater GeoSciences. This one (1) hour course is part of the **2008 Annual Convention held January 7-9, 2008, in Boise, ID**. Byrd motioned to assign **one (1) CEC**, Daugherty seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Drill Rigging” scheduled for January 9, 2008**, sponsored by the **IGWA**. The instructor is Jim Cox, Boise Rigging Supply. This two (2) hour course is part of the **2008 Annual Convention held January 7-9, 2008, in Boise, ID**. Waldroop motioned to assign **two (2) CECs**, Daugherty seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Updates from the Idaho Electrical**

**Bureau” scheduled for January 9, 2008**, sponsored by the **IGWA**. The instructor is Jeff Fitzloff, Idaho Electrical Bureau. This one (1) hour course is part of the **2008 Annual Convention held January 7-9, 2008, in Boise, ID**. Daugherty motioned to assign **0.5 CEC**, McInnis seconded. The vote was all in favor.

- The Cont. Ed. Committee reviewed the agenda for **“Updates from the Plumbing Bureau” scheduled for January 9, 2008**, sponsored by the **IGWA**. The instructor is Carl Loringal, Idaho Plumbing Bureau. This one (1) hour course is part of the **2008 Annual Convention held January 7-9, 2008, in Boise, ID**. McInnis motioned **not to assign CEC**, Waldroop seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Well Sealing” scheduled for January 9, 2008**, sponsored by the **IGWA**. The instructors are Rob Whitney, IDWR; Bob Oliver, CETCO; Jack Sowers, Baroid; and Stewart Krause, Wyo-Ben. This two (2) hour course is part of the **2008 Annual Convention held January 7-9, 2008, in Boise, ID**. Waldroop motioned to assign **two (2) CECs**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“What’s Going on in Idaho?” scheduled for January 9, 2008**, sponsored by the **IGWA**. The speaker is Idaho Lieutenant Governor Jim Risch. This 50 minute course is part of the **2008 Annual Convention held January 7-9, 2008, in Boise, ID**. McInnis motioned **not to assign CEC**, Byrd seconded. The vote was all in favor.

- 
- The Cont. Ed. Committee reviewed the agenda for **“Real-World Geothermal Heat Pump Installations”** sponsored by the **National Ground Water Association (NGWA) December 4, 2007**. The instructors are Greg Wells, Jackson & Sons Drilling; Jack W. Henrich, Bergerson-Caswell Inc.; Todd Giddings, Todd Giddings and Associates Inc.; Phil Rawlings, TRC Energy Services; Allan Skouby, GeoPro Inc.; and Jeff Bowen, Geo-Loop Inc. This two and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, Florida (FL)**. McInnis motioned to assign **2.5 CECs**, Daugherty seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Aquifer Protection: Technical, Policy and Regulatory Strategies”** sponsored by the **NGWA, December 4, 2007**. The instructors are Shuying Wang, North Carolina Department of Environment and Natural Resource; Don Geddes, Applied Water Management Inc.; and Richard T. Cartwright, MECX LLC. This one (1) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **one (1) CEC**, McInnis seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“The Sustainable and Sanitary Well”** sponsored by the **NGWA, December 4, 2007**. The instructors are Harry Rohde, Agriculture and Agri-Food Canada; Prairie Farm Rehabilitation Administration; Sivamathy Sivachandiran, University of Jaffna; Denise M. Hosler, Bureau of Reclamation; Stuart A. Smith, Smith-Comeskey GW Science LLC; Robert Stewart, Prairie Farm Rehabilitation Administration; and Gilman G. Violette, Neill and Gunter Limited. This three (3) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **three (3) CECs**, Waldroop seconded. The vote was all in favor.

- The Cont. Ed. Committee reviewed the agenda for **“Ground Water Policy and Regional Management in Florida; A Changing World”** sponsored by the NGWA, **December 4, 2007**. The instructors are Michael C. Alfieri, PBS&J and Timothy K. Parker, Schlumberger Water Services. This one (1) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Byrd motioned **not to assign CEC**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Planning for Disaster”** sponsored by the NGWA, **December 7, 2007**. The instructor is Joseph J. Hogan, The Hartford Insurance Group. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **1.5 CECs**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Nice Guys Can Put You out of Business: Complying with DOT’s Driver Qualifications”** sponsored by the NGWA, **December 4, 2007**. The instructor is Gary LaBrake, On the Road. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **1.5 CECs**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Implementing a Good Risk Management Program”** sponsored by the NGWA, **December 4, 2007**. The instructor is Joseph J. Hogan, The Hartford Insurance Group. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Waldroop motioned to assign **1.5 CECs in the safety/first aid/CPR category**, Byrd seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Fleet Safety: Preventing Common Water Well Driller Fleet Accidents”** sponsored by the NGWA, **December 4, 2007**. The instructor is Joseph J. Hogan, The Hartford Insurance Group. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **1.5 CECs in the safety/first aid/CPR category**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Transportation Management Options for the Ground Water Industry”** sponsored by the NGWA, **December 7, 2007**. The instructor is Michael P. Valentine, Group Transportation Services. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **1.5 CECs**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Applications of Dual Rotary Drilling”** sponsored by the NGWA, **December 5, 2007**. The instructor is Rick Finney, Foremost Industries LP. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Waldroop motioned to assign **1.5 CECs**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Techniques for Longer Pump Life”** sponsored by the NGWA, **December 4, 2007**. The instructor is Randy D. Delenikos, LAKOS Separators & Filtration Systems. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **0.5 CEC**, Daugherty seconded. The vote was all in favor.

- The Cont. Ed. Committee reviewed the agenda for **“Repair a Hand Pump - Save a Life”** sponsored by the NGWA, **December 5, 2007**. The instructor is Ralph L. Taylor, Taylor Drilling Co. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **0.5 CEC**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Modern Activated Carbon Characterization Methods”** sponsored by the NGWA, **December 4, 2007**. The instructor is Henry Nowicki, PACS: Testing, Consulting, Training. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **1.5 CECs**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Hurricane Charley: A Lesson in Regional Cooperation”** sponsored by the NGWA, **December 4, 2007**. The instructor is Jennifer S. Steadman Ryan, Sarasota County Government. This one (1) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **one (1) CEC**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“How to Select the Best Activated Carbon Adsorption Systems for Your Application”** sponsored by the NGWA, **December 4, 2007**. The instructor is Henry Nowicki, PACS: Testing, Consulting, Training. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **1.5 CECs**, Byrd seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Supervisor’s Drug and Alcohol Testing Course”** sponsored by the NGWA, **December 4, 2007**. The instructor is Gary LaBrake, On the Road. This two (2) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **two (2) CECs in the safety/first aid/CPR category**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Safety Success through Leadership”** sponsored by the NGWA, **December 5, 2007**. The instructor is Joseph J. Hogan, The Hartford Insurance Group. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **1.5 CECs in the safety/first aid/CPR category**, Waldroop seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Pump Installer Licensing: What’s New of the State Level”** sponsored by the NGWA, **December 7, 2007**. The instructors are Roger E. Renner, E. H. Renner & Sons Inc. and Craig Gresham, Gresham Well Drilling Inc. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Waldroop motioned to assign **0.5 CEC**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Cost Effective Tools for Investigations and Remedial Applications: Direct-Push Technology”** sponsored by the NGWA, **December 5, 2007**. The instructor is Bruce Manchon, Arcadis BBL. This three (3) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007,**

- in Orlando, FL.** Waldroop motioned to assign **three (3) CECs**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Digging Trenches and Laying Wire No More”** sponsored by the NGWA, **December 4, 2007**. The instructor is Sara A. Lufer, Remote Control Technology. This one (1) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **0.5 CEC**, McInnis seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“McEllhiney Lecture: How Much Is Enough? Making Decisions in the Water Well Industry”** sponsored by the NGWA, **December 5, 2007**. The instructor is F. Michael Krautkramer, Robinson & Noble Inc. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **1.5 CECs**, Waldroop seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Microbial Effects of Wells and What to Do about Them”** sponsored by the NGWA, **December 4, 2007**. The instructor is Stuart A. Smith, Smith-Comeskey GW Science LLC. This one (1) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Waldroop motioned to assign **one (1) CEC**, Daugherty seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Pump Installation Cost Calculator”** sponsored by the NGWA, **December 5, 2007**. The instructor is John Pitz, NL Pitz Inc. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **0.5 CEC**, Byrd seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Pump Installation Cost Calculator”** sponsored by the NGWA, **December 6, 2007**. The instructor is John Pitz, NL Pitz Inc. This two (2) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Byrd motioned to assign **one (1) CEC**, Daugherty seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Slow and Steady Wins the Race: Improving Job Efficiency by Slowing down”** sponsored by the NGWA, **December 4, 2007**. The instructor is Toby N. McClain, Baroid Industrial Drilling Products. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **1.5 CECs**, Waldroop seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Update on the Development of Well Construction Practice Standard”** sponsored by the NGWA, **December 4, 2007**. The instructor is Jonathan Jenkins, NGWA. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **1.5 CECs**, Daugherty seconded. The vote was all in favor.
  - The Cont. Ed. Committee reviewed the agenda for **“Borehole Geophysics Introductory Short Course”** sponsored by the NGWA, **December 4, 2007**. The instructor is Wendy Wempe, Schlumberger Water Services. This eight (8) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **eight (8) CECs**, Daugherty seconded. The vote was all in favor.



- The Cont. Ed. Committee reviewed the agenda for **“Darcy Lecture: Getting the Information Ground Water Modelers Need: A Report from the Field”** sponsored by the NGWA, **December 6, 2007**. The instructor is James J. Butler, University of Kansas. This one (1) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Waldroop motioned to assign **one (1) CEC**, Byrd seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Explaining Ground Water/Surface Water Interaction to Those Who Don’t Understand: NGWA’s Video Tool”** sponsored by the NGWA, **December 4, 2007**. The instructor is Kevin B. McCray, NGWA. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **1.5 CECs**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Horizontal Bioventing Wells Installed for Reuse of Midwestern Downtown Brownfield”** sponsored by the NGWA, **December 4, 2007**. The instructor is Jesse Wright, SESCO Group. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **1.5 CECs**, Waldroop seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Introduction to Hydrogeology”** sponsored by the NGWA, **December 4, 2007**. The instructor is David L. Kill, Goulds Pumps. This two (2) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Waldroop motioned to assign **two (2) CECs**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Louisiana’s Ground Water: Securing Our Economic Future with Public Ground Water Policy”** sponsored by the NGWA, **December 4, 2007**. The instructor is William Schramm, Louisiana Department of Environmental Quality. This one (1) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **one (1) CEC**, Waldroop seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Be a Part of the Future! NGWA’s Director Candidates School”** sponsored by the NGWA, **December 7, 2007**. The instructor is Kevin B. McCray, NGWA. This two (2) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned **not to assign CEC**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“How to Sell to Difficult Customers”** sponsored by the NGWA, **December 4, 2007**. The instructor is Michelle Nichols, Savvy Selling International and Water Well Journal columnist. This three (3) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Byrd motioned to assign **three (3) CECs**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Marketing Your Professional Certification”** sponsored by the NGWA, **December 4, 2007**. The instructor is Roger E. Renner, E. H. Renner & Sons Inc. This two (2) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Waldroop motioned to assign **two (2) CECs**, Daugherty seconded. The vote was all in favor.

- The Cont. Ed. Committee reviewed the agenda for **“Pow! Zap! Sell! How to Sell Like a Super Hero and Close More Sales”** sponsored by the NGWA, **December 4, 2007**. The instructor is Michelle Nichols, Savvy Selling International and Water Well Journal columnist. This three (3) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **three (3) CECs**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“The Right Stuff: Tools for Raising Public Awareness about Ground Water”** sponsored by the NGWA, **December 5, 2007**. The instructor is Mike Mortensson, California Groundwater Association. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Waldroop motioned to assign **1.5 CECs**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Understand Your Water and Well Problems: Coliform, Slime/Iron Bacteria, Odors, and Corrosion”** sponsored by the NGWA, **December 4, 2007**. The instructor is David T. Hanson, Design Water Technologies. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **1.5 CECs**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Water Work in Developing Countries: Tips for a Safe and Productive Trip”** sponsored by the NGWA, **December 7, 2007**. The instructor is Ray Newmyer, Drilling and Consulting Inc. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Byrd motioned **not to assign CEC**, Waldroop seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Cargo Securement: All Tied Up-and Down”** sponsored by the NGWA, **December 4, 2007**. The instructor is Gary LaBrake, On the Road. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **1.5 CECs**, Byrd seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Common Water Well Driller Accidents and How to Prevent Them”** sponsored by the NGWA, **December 5, 2007**. The instructor is Joseph J. Hogan, The Hartford Insurance Group. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Waldroop motioned to assign **1.5 CECs in the safety/first aid/CPR category**, Byrd seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Achieving Your Personal Best in the Water Systems Field”** sponsored by the NGWA, **December 4, 2007**. The instructor is Matthew Beasley, MC Investments. This two (2) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned **not to assign CEC**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Regulators Panel Discussion”** sponsored by the NGWA, **December 6, 2007**. The instructor is Tom Christopherson, Water Well Standards Program. This two (2) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned to assign **two (2) CECs**, Daugherty seconded. The vote was all in favor.

- The Cont. Ed. Committee reviewed the agenda for **“Progress toward a Nationwide Ground Water Monitoring Network”** sponsored by the NGWA, **December 5, 2007**. The instructor is Charles Job, U.S. EPA. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned **not to assign CEC**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Using the Environmental Remediation Drilling Safety Guideline to Enhance Industry Safe Practice”** sponsored by the NGWA, **December 5, 2007**. The instructor is Jim Wright, WDC Exploration & Wells. This two (2) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Waldroop motioned to assign **two (2) CECs in the safety/first aid/CPR category**, Daugherty seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“New Technology to Enhance your Career and Business: Part II”** sponsored by the NGWA, **December 6, 2007**. The instructor is Michelle Desmond, Desmond Well Drilling Inc. This one (1) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned **not to assign CEC**, Byrd seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“New Technology to Enhance your Career and Business: Part I”** sponsored by the NGWA, **December 5, 2007**. The instructor is Michelle Desmond, Desmond Well Drilling Inc. This one (1) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. McInnis motioned **not to assign CEC**, Byrd seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Water Systems 101”** sponsored by the NGWA, **December 4, 2007**. The instructor is Michael Keen, Franklin Electric Company. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **0.5 CEC**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Pump Smarter with VFDs and Pump Cards”** sponsored by the NGWA, **December 5, 2007**. The instructor is Sean Fitzpatrick, Schneider Electric. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **0.5 CEC**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Ground Water and Competing Water Rights within Watersheds”** sponsored by the NGWA, **December 5, 2007**. The instructors are Michael K. Anderson, Iowa Department of Natural Resources; Carlos Gutierrez-Ojeda, Pablo Gallardo and Israel Velasco, Mexican Institute of Water Technology; Todd Giddings, Todd Giddings and Associates Inc.; Christopher L. Shope and W. Alan McKay, Desert Research Institute; and Frank Vernon, Oklahoma Corporation Commission. This two (2) hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Waldroop motioned to assign **two (2) CECs**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for **“Advances in the Water Well Industry Over the Past 20 Years”** sponsored by the NGWA, **December 6, 2007**. The instructors are John H. Schnieders, Water Systems Engineering Inc.; Fred A. Rothauge, Quality Drilling Fluids LLC; Mike Mehmert and Thom Hanna, Johnson Screens; David

C. Schafer, David Schafer & Associates; Glenn Duffield, HydroSOLVE Inc.; Andrew D. Nicholson, Geomega Inc.; and John Jansen, Aquifer Science & Technology. This two and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Waldroop motioned to assign **2.5 CECs**, McInnis seconded. The vote was all in favor.

- The Cont. Ed. Committee reviewed the agenda for “**Optimizing Well Design with Borehole Logging Technologies**” sponsored by the **NGWA, December 5, 2007**. The instructors are Alison H. Parker, L. Jared West, Noelle E. Odling and Simon H. Bottrell, University of Leeds; Thomas D. Dalzell, Mark Kram U.S. Navy; Jeffrey A. Farrar, U.S. Bureau of Reclamation; and John H. Williams, USGS. This one hour and 20 minute course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Daugherty motioned to assign **1.5 CECs**, McInnis seconded. The vote was all in favor.
- The Cont. Ed. Committee reviewed the agenda for “**Keys to Winning State and National Legislative Campaigns**” sponsored by the **NGWA, December 4, 2007**. The instructors are Brian Snelten, URS Corp; Sue Boherstengel, Illinois Association of Ground Water Professionals; Don Watson, Dixie Well Boring Company; Dave Traut, Mark J. Traut Wells Inc.; Cartier Esham and Laine Glisson, Dutko Worldwide; Chris Reimer, NGWA. This one and ½ hour course is part of the **2007 Ground Water Expo held December 4-7, 2007, in Orlando, FL**. Waldroop motioned **not to assign CEC**, McInnis seconded. The vote was all in favor.

E) Public Comment

There was no public comment.

F) Next meeting tentatively scheduled for February 7, 2008, the following meeting tentatively scheduled for April 17, 2008.

Adjourn.