

MINUTES

Well Constructor Continuing Education Committee Friday February 20, 2009

Committee Members Present: Dennis Daugherty, Greg McInnis, Kris Byrd, Mike Waldroop
Others Present: Nancy Sippel, Warren Lear, Juno Pandian, Tracy Fox

A) Cont. Ed. Committee Meeting Minutes

The draft minutes from the November 18, 2008, meeting were reviewed. Waldroop motioned to approve the draft minutes as is, McInnis seconded. The vote was all in favor.

B) Other Issues

- There were no other issues.

C) Review of Applications

- The Cont. Ed. Committee reviewed the following course applications as part of the **2009 Oregon Ground Water Association's (OGWA) Spring Technical Seminar**, scheduled for **March 5-7, 2009, at the Oregon Garden Resort in Silverton, Oregon**:
 - **“Frontline Safety/Hazmat Update Class” each part being four (4) hours, March 5, 2009.** The instructor is Don Fleck. McInnis motioned to assign four (4) CECs in the safety/first aid/CPR category for the Frontline Safety portion, Daugherty seconded. The vote was all in favor. McInnis motioned to assign four (4) CECs in the hazardous materials category for the Hazmat Update portion, Waldroop seconded. The vote was all in favor.
 - **“2008 Rules Review” one (1) hour, March 6, 2009.** The instructor is Steve Schneider, Schneider Equipment Co. Waldroop motioned to assign one (1) CEC in the OR/gw well laws category, McInnis seconded. The vote was all in favor.
 - **“Boring Logs-What’s Important and What’s Not: A Scientific Viewpoint” one (1) hour 30 minutes, March 6, 2009, (2009 McElhinney Lecture).** The instructor is Richard Laton, California State University. Waldroop motioned to assign 1.5 CECs, Daugherty seconded. The vote was all in favor.
 - **“Service Department Profitability and Water Treatment Installation & Service” two (2) hours 30 minutes, March 6, 2009.** The instructor is Mike Hamberger, Water Right Inc. McInnis motioned to assign 2.5 CECs, Byrd seconded. The vote was all in favor.
 - **“Welding Practices” one (1) hour, March 6, 2009.** The instructor is Mike Fajer, Oregon OSHA. Waldroop motioned to assign one (1) CEC, Daugherty seconded. The vote was all in favor.
 - **“Geothermal Systems: Technology, Practices, Incentives – is this a potential new market or application for you?” two (2) hours, March 6, 2009.** The instructor is Jack Henrich, NGWA. Byrd motioned to assign two (2) CECs, McInnis seconded. The vote was all in favor.
 - **“Cement Grouting Techniques” one (1) hour, March 6, 2009.** The instructors

are Kirby Donald and Jack Sowers, Baroid. Daugherty motioned to assign **one (1) CEC**, Waldroop seconded. The vote was all in favor.

- **“Safety Basics & Beyond” two (2) hours, March 7, 2009.** The instructor is Walter Want. Waldroop motioned to assign **two (2) CECs in the safety/first aid/CPR category**, McInnis seconded. The vote was all in favor.
- **“Government Affairs” one (1) hour, March 7, 2009.** The instructors are Steve Schneider, Schneider Equipment Co., Paul Christensen, Christensen Well Drilling, and Greg Kupillas, Pacific Hydro-Geology. McInnis motioned to assign **one (1) CEC in the OR/gw well laws category**, Waldroop seconded. The vote was all in favor.
- **“The Nuts & Bolts of New Registration, Bonding and Continuing Education Requirements” one (1) hour, March 7, 2009.** The instructor is CCB staff. Waldroop motioned to assign **one (1) CEC**, McInnis seconded. The vote was all in favor.
- **“How Old is Ground Water” one (1) hour, March 7, 2009.** The instructors are Terry Tolan and Dimitri Vlassopoulos, GSI Water Solutions. Byrd motioned to assign **one (1) CEC**, Daugherty seconded. The vote was all in favor.
- **“Variable Frequency Drives (VFD) – how it works and available features” one (1) hour, March 7, 2009.** The instructor is Anthony Rauch, Dykman Electrical, Inc. Daugherty motioned to assign **0.5 CEC**, McInnis seconded. The vote was all in favor.

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- The Cont. Ed. Committee reviewed the following course applications as part of the **Idaho Ground Water Association’s (IGWA) 2009 Annual Convention, held January 5-7, 2009, in Boise, Idaho:**

- **“From Drilling Plan to Well Rating-Musings of a Hydrogeologist” two (2) hours, January 6, 2009.** The instructor is Mike Krautkramer, Robinson/Noble. Byrd motioned to assign **two (2) CECs**, McInnis seconded. The vote was all in favor.
- **“Understanding Your Well Problems (Part 1)” one (1) hour, January 6, 2009.** The instructor is Dave Hansen, Design Water Technologies. McInnis motioned to assign **one (1) CEC**, Daugherty seconded. The vote was all in favor.
- **“Updates from the IDWR” 45 minutes, January 6, 2009.** The instructor is David Tuthill, Idaho Water Resources Department. McInnis motioned **not to assign CECs**, Byrd seconded. The vote was all in favor.
- **“Understanding Your Well Problems (Part 2)” one (1) hour, January 6, 2009.** The instructor is Dave Hansen, Design Water Technologies. Daugherty motioned to assign **one (1) CEC**, McInnis seconded. The vote was all in favor.
- **“Simple Math for Drilling and Pump to Locate Air Pressure” one (1) hour, January 6, 2009.** The instructor is Roger Buchanan, Andrew Well Drilling. Waldroop motioned to assign **one (1) CEC**, McInnis seconded. The vote was all in favor.
- **“Pumps & Pump Design” one (1) hour, January 6, 2009.** The instructor is Tim Farrell, SPF Water Engineering. McInnis motioned to assign **0.5 CEC**,

Daugherty seconded. The vote was all in favor.

- **“Having Problems with Coliform Bacteria and Don’t Understand Why?” two (2) hours, January 7, 2009.** The instructors are Paul Querna, PQ Products and Dave Hansen, Design Water Technologies. Waldroop motioned to assign **two (2) CECs**, Byrd seconded. The vote was all in favor.
- **“Drilling & Sealing Presentations” two (2) hours, January 7, 2009.** The instructors are Stewart Krause, Wyo-Ben; Bob Oliver, CETCO; and Jack Sowers, Baroid. Daugherty motioned to assign **two (2) CECs**, McInnis seconded. The vote was all in favor.
- **“VFD General Discussion” one (1) hour, January 7, 2009.** The instructor is Dykman Electric personnel. Byrd motioned to assign **0.5 CEC**, Waldroop seconded. The vote was all in favor.
- **“Surge Suppression/Absorption” one (1) hour, January 7, 2009.** The instructor is Dykman Electric personnel. McInnis motioned to assign **0.5 CEC**, Daugherty seconded. The vote was all in favor.
- **“Public Water System Design Guidelines, DEQ Standards, Relating to Well Design & Drilling” one (1) hour, January 7, 2009.** The instructor is Stuart Hurley, SPF Water Engineering. McInnis motioned **not to assign CECs**, Byrd seconded. The vote was all in favor.
- **“Water Rights 101” one (1) hour, January 7, 2009.** The instructor is Scott King, SPF Water Engineering. McInnis motioned **not to assign CECs**, Daugherty seconded. The vote was all in favor.

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- The Cont. Ed. Committee reviewed the following course applications as part of the **Washington State Ground Water Association’s (WSGWA) Spring 2009 CEU Seminar**, scheduled for **March 13, in Tacoma, Washington (WA); March 14, 2009, in Kelso, WA; March 27, 2009, in Spokane, WA; and March 28, 2009, in Pasco, WA:**
 - **“Domestic Water System Installation” eight (8) hours.** The instructor is Roger Chick, WA Dept of Labor & Industries. Daugherty motioned to assign **four (4) CECs**, McInnis seconded. The vote was all in favor.
 - **“Problems in Water Wells” one (1) hour 30 minutes.** The instructors are Paul Querna, PQ Products and Dave Hansen, Design Water Technologies. Waldroop motioned to assign **1.5 CECs**, Daugherty seconded. The vote was all in favor.
 - **“What to Know About Heat Stress in 2009” two (2) hours.** The instructor is Sharon Drozdowsky, WA Dept of Labor & Industries. McInnis motioned to assign **two (2) CECs in the safety/first aid/CPR category**, Byrd seconded. The vote was all in favor.
 - **“Applications of Dual Rotary Drilling” one (1) hour 30 minutes.** The instructor is J. Arden Godshall, Foremost Industries. Waldroop motioned to assign **1.5 CECs**, Daugherty seconded. The vote was all in favor.

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- The Cont. Ed. Committee reviewed the following course application as part of the **7th Annual Washington Hydrogeology Symposium**, scheduled for **April 28-30, 2009, in**

Tacoma, Washington:

- **“Oregon Rules & Regulations - 2009” two (2) hours, April 30, 2009.** The instructors will be Oregon Water Resources Department (OWRD) staff. Byrd abstained. McInnis motioned to assign **two (2) CECs in the OR/gw well laws category**, Waldroop seconded. The vote was all in favor.

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- The Cont. Ed. Committee reviewed the following course applications from **All Star Professional Training, Inc.** These are all **online courses**.
 - **“Drilling Rigs”** this course is designed to take **two (2) hours**. McInnis motioned to assign **two (2) CECs**, Daugherty seconded. The vote was all in favor.
 - **“Groundwater Topics & Laws”** this course is designed to take **two (2) hours**. McInnis motioned to assign **two (2) CECs**, Waldroop seconded. The vote was all in favor.
 - **“Water Wells”** this course is designed to take **one (1) hour**. Waldroop motioned to assign **one (1) CEC**, Daugherty seconded. The vote was all in favor.
 - **“Business Management”** this course is designed to take **two (2) hours**. McInnis motioned to assign **two (2) CECs**, Waldroop seconded. The vote was all in favor.
 - **“Sinkholes”** this course is designed to take **one (1) hour**. Waldroop motioned to assign **one (1) CEC**, McInnis seconded. The vote was all in favor.
 - **“Hydrology & Compressors”** this course is designed to take **two (2) hours**. Daugherty motioned to assign **two (2) CECs**, Waldroop seconded. The vote was all in favor.
 - **“Disinfecting & Water Purification”** this course is designed to take **two (2) hours**. McInnis motioned to assign **two (2) CECs**, Daugherty seconded. The vote was all in favor.
 - **“Pumps & Borings Topics”** this course is designed to take **two (2) hours**. McInnis motioned to assign **1.5 CECs**, Daugherty seconded. The vote was all in favor.

D) Review of Documentation

Casey Jones Jr, #1541 submitted:

- Documentation for the course **“Microbiological Issues in Ground Water Quality and System Function” two (2) hours**, sponsored by the **National Ground Water Association (NGWA)**, taken **December 4, 2008**, as part of the **2008 GW Expo in Las Vegas, Nevada**. McInnis motioned to assign **two (2) CECs**, Waldroop seconded. Discussion: the course outline shows the course as two (2) hours, Jones’ reporting form shows it as 1.5 hours. The Cont. Ed. Committee to approve the course as shown on the outline. The vote was all in favor.

Donald R. Pitner, #1267 submitted:

- Documentation for the course **“Aquifer/Ground Water Protection: Effective Strategies for Protecting the Quality of Our Ground Water Supplies” one (1)**

hour, sponsored by the NGWA, taken **December 5, 2008**, as part of the **2008 GW Expo in Las Vegas, Nevada**. Waldroop motioned to assign **one (1) CEC**, McInnis seconded. The vote was all in favor.

Brent Blakemore, #1804 submitted:

- Documentation for the course **“Pumps & Pumping” 21 hours**, sponsored by **Linn Benton Community College**, taken **January 13-15, 2009**, in **Albany, Oregon**. McInnis motioned to assign **10.5 CECs**, Byrd seconded. The vote was all in favor.
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Jack Arendt, #10269 submitted:

- Documentation for the symposium **“Wells and the Well-Being of Oregon”** sponsored by the **Institute for Water and Watersheds and Oregon Sea Grant Extension**, taken **December 11, 2008**, in **Salem, Oregon**. The courses were reviewed individually as follows:
 - **“Overview of the Ground Water Industry in the United States” 45 minutes**, the instructor was Kevin McCray, NGWA. McInnis motioned to assign **0.5 CEC**, Byrd seconded. The vote was all in favor.
 - **“Ground Water in Western States” 30 minutes**, the instructor was Melinda Kassen, Trout Unlimited. McInnis motioned to assign **0.5 CEC**, Daugherty seconded. The vote was all in favor.
 - **“The State of the Well in Oregon” one (1) hour**, the instructors were Karl Wozniak, OWRD and Jerry Schmidt, OGWA. Waldroop motioned to assign **one (1) CEC**, McInnis seconded. The vote was all in favor.
 - **“Examples of Collaborative Water Policy Developments” one (1) hour**, the instructors were Turner Odell, Portland State University, Adam Stebbins, Benton County, and Dave Livesay, GSI Water Solutions. McInnis motioned to assign **one (1) CEC**, Daugherty seconded. The vote was all in favor.
 - **“Well Water Education and Safety: Practical Overview of Well Ownership” one (1) hour**, the instructors were Mike Gamroth, OSU Extension and Audrey Eldridge, Department of Environmental Quality. Byrd motioned to assign **one (1) CEC**, Daugherty seconded. The vote was all in favor.
 - **“Case Studies on Ground Water Challenged Areas” one (1) hour**, the instructors were Barbara Rich, Deschutes County Environmental Health, Abigail Brown, Oregon Sea Grant OWRD Fellow, and Glenn and Genie Harden, Lane County. Byrd motioned to assign **one (1) CEC**, McInnis seconded. The vote was all in favor.
 - **“Opportunities for the Future” one (1) hour 15 minutes**, this was a panel. McInnis motioned to assign **1.5 CECs**, Byrd seconded. The vote was all in favor.
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- **Arturo Madrigal, #10512** submitted:

- Documentation for the course **“Fall Protection Awareness” one (1) hour**, sponsored by **Boart Longyear E&I**, taken **December 23, 2008**. McInnis abstained. Daugherty motioned to assign **one (1) CEC in the safety/first aid/CPR category**, Waldroop seconded. The vote was all in favor.
- Documentation for the course **“Loss Prevention System Training” eight (8) hours**, sponsored by **Boart Longyear E&I**, taken at *an unknown time. McInnis abstained. Byrd motioned to assign **eight (8) CECs in the safety/first aid/CPR category**, Waldroop seconded. The vote was all in favor.
After the meeting, documentation showed this was taken prior to his current licensing period. Thus he will not be credited for this course.

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- **Gordon Burton, #1751** submitted:
 - Documentation for the course **“Forklift Practical Refresher” one (1) hour**, sponsored by **Boart Longyear E&I**, taken **February 8, 2009**. McInnis abstained. Waldroop motioned to assign **one (1) CEC in the safety/first aid/CPR category**, Byrd seconded. The vote was all in favor.

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- **Larry Welch, #1448** submitted:
 - Documentation for courses from the **“NGWA Outdoor Demonstrations” two (2) hours**, sponsored by **the NGWA**, taken **December 3, 2008**, in Las Vegas, Nevada as part of the **2008 NGWA GW Expo**. Discussion: the time spent at the demonstration will vary by individual, each reporting sheet is signed by an NGWA representative showing the length of time spent at the demonstrations. McInnis motioned to assign **two (2) CECs**, Daugherty seconded. The vote was all in favor.

E) Public Comment

Warren Lear, Mi Swaco, addressed the Cont. Ed. Committee and complimented the Committee on the work the Committee is doing and the fairness of the process. He also asked Committee members for feedback on presenting courses and ideas on topics to cover. There was some discussion about Mi Swaco and their products.

F) Future Meeting TBA

Adjourn.