

MINUTES
Well Constructor Continuing Education Committee
October 10, 2014

Committee Members Present: Greg McInnis (Teleconferencing), Angela Garner, Joel Jeffery

Others Present: Kris Byrd, Laurie Norton, Nancy Sippel

- A) Introductions and Acknowledgements
- B) Cont. Ed. Committee Meeting Minutes (9:00)
- C) Other Issues
- D) Review of Applications

The Cont. Ed. Committee reviewed the courses that comprise the **Oregon Ground Water Association Fall Convention October 24 – 25, 2014, at Eagle Crest Resort in Redmond, OR.** The courses were reviewed as follows:

- **Regulatory Updates That May Affect the Groundwater Industry”, one (1) hour, October 24, 2014.** The instructor is Jerry Schmidt, President of Oregon Water Consultants, LLC. Greg motioned to assign **one (1.0) CEC** in the Rules Category, Angela seconded. The vote was all in favor.
- **“Disclaimer/Rental/Service Agreements”, one (1) hour, October 24, 2014.** The instructor is Richard Mest, President of Master Water Conditioning Corporation; Secretary Treasurer, Water Systems Council. Angel motioned to assign **one (1.0) CEC**, Greg seconded. The vote was all in favor.
- **“Changes to the Well Log Submittal Form and Update on Task Force for Senate Bill 839”, one (1) hour, October 24, 2014.** The instructors are Ken Smith and Brenda Bateman, Oregon Water Resources Department. Angela motioned to assign **one (1.0) CEC** in the Rules Category, Greg seconded. The vote was all in favor.
- **“PVS/CPVC Solvent Cement Joining”, one (1) hour, October 24, 2014.** The instructor is Theresa Spencer, certified by Georg Fisher Piping to train to ASTM B31.3; ASTM B31.3 thru IPS Welton for training in PVC and CPVC solvent cementing.
- Joel motioned to assign **one (1.0) CEC**, Angela seconded. The vote was all in favor.
- **“Oregon Well Construction Rules & Regulations”, one (1) hour, October 24, 2014.** The instructors are Kris Byrd and Joel Jeffery, Oregon Water Resources Department. Angela motioned to assign **one (1.0) CEC** in the Rules Category, Greg seconded. The vote was all in favor.
- **“Tannin & Colloids Testing & Removal”, one (1) hour, October 24, 2014.** The instructor is Richard Mest, President of Master Water Conditioning Corporation; Secretary Treasurer, Water Systems Council. Greg motioned to assign **one (1.0) CEC**, Angela seconded. The vote was all in favor.

“Affordable Care Act Update”, one (1) hour, October 25, 2014. The instructor is Todd Yorke, LUTCF; President of Yorke Benefit Services. Greg motioned to assign **one (1.0) CEC**, Angela seconded. The vote was all in favor.

“What the Pump?” one (1) hour, October 25, 2014. The instructor is Jeremy Corbin, Field Service Engineer, Franklin Electric. Greg motioned to assign **one (1.0) CEC**, Joel seconded. The vote was all in favor.

“Casing Advancement Devices”, one (1) hour, October 25, 2014. The instructor is Gary Barnett, Mitsubishi Materials – Rock Tool Division. Angela motioned to assign **One (1.0) CEC**, Greg seconded. The vote was all in favor.

“Elimination of Lead!” one (1) hour, October 25, 2014. The instructor is Mark Sheffler, Water Treatment Manager (check with Nancy Sippel) with Boshart Industries. Greg motioned to assign **one (1.0) CEC**, Joel seconded. The vote was all in favor.

“Using In-Well Sand Separators”, one (1) hour, October 25, 2014. The instructor is Tiffany DeLorenzo, Regional Manager, Lakos Filtration. Angela motioned to assign **one (1.0) CEC**, Greg seconded. The vote was all in favor.

The Cont. Ed. Committee reviewed the courses that comprised the **2014 Convention & Seminar held in Pasco, Washington (WA) October 2-4**. The courses were reviewed as follows:

- **“Pump Troubleshoot/Motors”, eight (8) hours, October, 2, 2014.** The instructor are/were Rogher Chick, Electrical Training Institute, and Josh Johnson, Franklin Electric. Greg motioned to assign **four (4.0) CEC**, Angela seconded. The vote was all in favor.
- **“Hydrofracturing in the Northwest, one (1) hour, October, 3, 2014.** The instructor is/was Lynn Bartholomew; Lynn is licensed in Water Wells in various states. Angela motioned to assign **one (1.0) CEC**, Greg seconded. The vote was all in favor.
- **“Filtration for a Better Well”, two (2) hours, October 3, 2014.** The instructor is/was Gabe Ergler, Water Systems in Cle Elum, WA. Joel motioned to assign **two (2.0) CEC**, Angela seconded. The vote was all in favor.
- **“Plump Straight Driling”, one (1) hour, October 3, 2014.** The instructor is/was Del Boyce, licensed driller since 1979 specializing in large diameter wells, certified as Master Ground Water Contractor, alternate TAG member, WSGWA Board member. Angela motioned to assign **one (1.0) CEC**, Joel seconded. The vote was all in favor.
- **“First Aid/CPR/AED”, four (4) hours, October 3, 2014.** The instructor is/was Steve Farnsworth, Master Trainer, ASHI. Greg motioned to assign **four (4.0) CEC**, Joel seconded. The vote was all in favor.
- **“M & S Exhibits” three and one-half (3.5) hours, October 3, 2014.** Presented by M & S. () motioned to assign () CEC, () seconded. The vote was all in favor.
- **“WSGWA Roundtable Pastries and Coffee”, one (1) hour, October 4, 2014.** The “table” leaders are comprised of drillers, hydrogeologists, M&S representatives and

other industry related individuals. Angela motioned to assign **zero (0) CEC**, Joel seconded. The vote was all in favor. (*Committee chose to table item until more information is received about the topics of discussion*).

- **“2014 ODOT Update”, one (1) hour, October 4, 2014.** The instructor is/was Officer Donald Knoop, Compliance Review Section. Angela motioned to assign **one (1.0) CEC**, Greg seconded. The vote was all in favor.
- **“Exempt Wells: Impact to Our Industry”, one (1) hour, October 4, 2014.** The instructor are/were Mike Krautkramer, VP and principle Hydrogeologist of Robinson Noble; and Jeremy Bach, Bach Drilling Co. and VP of WSGWA. Angela motioned to assign **zero (0) CEC**, Joel seconded. The vote was all in favor.
- **“Welding in the Great Outdoors”, two (2) hours, October 4, 2014.** The instructors are/were Tim Cross is the main instructor, Oxarc, with the following individuals: Karl Susz-Lincoln Electric; Greg Richardson, Flange Wizard; Ron Silver, CWI, Oxarc Weld School. Angela motioned to assign **two (2.0) CEC**, Joel seconded. The vote was all in favor.
- **“Water Treatment/NEC Update for Pump Installers”, eight (8) hours, October 4, 2014.** The instructor is/was Roger Chick, Electrical Training Institute. Angela motioned to assign **four (4.0) CEC**, Joel seconded. The vote was all in favor.

The Cont. Ed. Committee reviewed the courses that comprise the **Washington State Ground Water Association Fall 2014 CEU Seminar**, held October 24, 2014, in Spokane, WA; November 14, 2014 in Tacoma, WA; and November 15, 2014 in Kelso, WA. The courses were reviewed as follows:

- **“Affordable Care Act and How it Will Affect My Business”, one (1) hour, October 10, 2014; November 14, 2014; and November 15, 2014.** The Instructor is Greg Seifert, Past President of Washington Association of Health Underwriters. Greg motioned to assign **one (1.0) CEC**, Joel seconded. The vote was all in favor.
- **“Drilling in Guatemala”, one (1) hour, October 24, 2014; November 14, 2014; November 15, 2014.** The instructors are Jon, Cristina, and Emily Hansen, 63 years combined experience, Tacoma Pump and Drilling. Angela motioned to assign **one (1.0) CEC**, Joel seconded. The vote was all in favor.
- **“The Rest of Drilling”, one (1) hour, October 10, 2014; November 14, 2014; November 15, 2014.** The instructor is Mike Piechowski, licensed Hydrogeologist. Angela motioned to assign **one (1.0) CEC**, Greg seconded. The vote was all in favor.
- **“Geologic Logging & Completion of Water Well Reports”, one (1) hour, October 10, 2014; November 14, 2014; and November 15, 2014.** The instructor is Mike Piechowski, licensed Hydrogeologist. Joel motioned to assign **one (1.0) CEC**, Greg seconded. The vote was all in favor.
- **2014 DOT Update”, one (1) hour, October 24, 2014; November 14, 2014; November 15, 2014.** The instructor is Officer Donald Knoop, Washington State Patrol, Commercial Compliance Review Section. Greg motioned to assign **one (1.0) CEC**, Angela seconded. The vote was all in favor.

- **“Plumbing Industry Related/Elec Code Update”, October 24, 2014; November 14, 2014; November 15, 2014.** The instructor is Roger Chick, Electrical Inspector with L & I. Greg motioned to assign **four (4.0) CEC**, Joel seconded. The vote was all in favor.
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The Cont. Ed. Committee reviewed the courses that comprise the **California Ground Water Association 66th Annual Convention & Trade Show**. The courses were reviewed as follows:

- **“Permitting and Inspecting Public, or Community Water Supply Wells”, three (3) hours, October 16, 2014.** The Instructor is Tim Guishard, Owner, Tim Guishard Enterprises, Alpine, CA. Joel motioned to assign **one and one-half (1.5) CEC**, Greg seconded. The vote was all in favor.
- **“Well Seal Failures”, three (3) hours, October 16, 2014.** The instructor is Dave Hanson, Founder, Design Water Technologies, Shorewood, MN. Greg motioned to assign **three (3.0) CEC**, Joel seconded. The vote was all in favor.
- **“Environmental Drilling and Direct Push Drilling Technology”, one (1) hour, October 16, 2014.** The instructor is Thomas Dalzell, Director of Environmental Research AMS, Inc., American Falls, Idaho. Greg motioned to assign **one (1.0) CEC**, Angela seconded. The vote was all in favor.
- **“Design and Construction of Efficient Water Wells, one (1) hour, October 16, 2014.** The instructor is Charlie Hoherd, Director of Sales for the Roscoe Moss Company. Angela motioned to assign **one (1.0) CEC**, both Joel and Greg seconded. The vote was all in favor.
- **“Variable Frequency Drives (VFD), two (2) hour seminar on pumps, October 16, 2014.** The instructor is Bill Corey, Pentair Flow Technologies Division, Delavan, WI. Angela motioned to assign **one (1.0) CEC**, Joel seconded. The vote was all in favor.
- **“Submersible Motor Troubleshooting”, one and three-quarter (1.75) hour, October 16, 2014.** The instructor is Matt Moore, Field Service Engineer, Franklin Electric, Fresno, CA. Greg motioned to assign **one (1.0) CEC**, Joel seconded. The vote was all in favor.
- **“Efficiency Through Technology: Session 1, two (2.0) hours, October 16, 2014.** The instructor is Ron Taylor, Owner, Auberry Builders Supply, Auberry, CA. Greg motioned to assign **two (2.0) CEC**, Angela seconded. The vote was all in favor.
- **“Product Spotlight: Couplings & Connections, one-half (0.5) hour, October 17, 2014.** The presenter is Fidel Nabor, Founder and CEO of 101 Pipe & Casing, CEO-President-Managing Publisher WorldWide Driling Resource, Inc. Greg motioned to assign **zero (0) CEC**, Joel seconded. The vote was all in favor.
- **“Product Spotlight: Getting The Most Out of Your Borehole Camera”, one-half (0.5) hour, October 17, 2014.** The presenter is Steve Strong, Global Product Manager, Laval Underground Surveys, Fresno, CA. Greg motioned to assign **one-half (0.5) CEC**, Joel seconded. The vote was all in favor.
- **“Product Spotlight Demo: Field Testing for Filter Selection”, one-half (0.5)**

- hour October 17, 2014.** The presenter is Randy Delenikos, Vice President-Business Development, Lakos Filtration, Fresno, CA. Angela motioned to assign **one-half (0.5) CEC**, Joel seconded. The vote was all in favor.
- **“Product Spotlight: Customer Service”, one-half (0.5) hour, October 17, 2014.** The presenter is Veronica Jones, CEO-President – Managing Publisher WorldWide Drilling Resource, Inc. Angela motioned to assign **one-half (0.5) CEC**. Joel seconded. The vote was all in favor.
 - **“Product Spotlight: SANEX Ozone Circulating Water Filter”, one-half (0.5) hour, October 17, 2014.** The presenter⁴ is Jim Baird, Owner, West County Water and SANEX Water Products. Greg motioned to assign **one-half (0.5) CEC** Joel seconded. The vote was all in favor.
 - **“Product Spotlight: Preventing Emergencies in Private Groundwater Wells, one-half (0.5) hour, October 17, 2014.** Greg motioned to assign **one-half (0.5) CEC**, Angela seconded. The vote was all in favor.
 - **“McEllhiney Lecture: Groundwater Spreadsheets”, Efficient and Practical Resource for Solving Simple and Complex Flow, Pollution, and Environmental Problems”, one and one-half (1.5) hour, October 18, 2014.** The instructor is Carlos E. Molane, PE, 30-years experience in groundwater engineering and environmental hydrogeology; Cofounder and president of Hidrogeocol (formerly Hidrogeologia Colombiana Ltd. Greg motioned to assign **one and one-half (1.5) CEC**, Joel seconded. The vote was all in favor.
 - **“Paper, Digital, Online, DWR – The Transition to Online Well Completion Report Submissions to the California Department of Water Resources, one-half (0.5) hour, October 18, 2014.** The instructors are Cristina Boggs, Engineering Geologist; Eric Senter, Senior Engineering Geologist, both with California Department of Water Resources, Division of Statewide Integrated Water Management’s Data Publication, Exchange and Management Section. Angela motioned to assign **zero (0) CEC**, Greg seconded. The vote was all in favor.
 - **“Controlling Non-Billable Costs That Affect Jobs”, one-half (0.5) hour, October 18, 2014.** The instructors are Virginia Beebe, Assistant Executive Director, California Goundwater Association, Santa Rosa, CA; and Dan Meyer, 2013 President of NGWA; 30 years drilling background. Angela motioned to assign **one-half CEC (0.5)**, Greg seconded. The vote was all in favor.
 - **“Wireless Cloud Based Management of VFD Controls”, one (1) hour, October 18, 2014.** The instructors are Christian Bogan, Senior Vice President, Sales at Western Hydro Corporation, Banning CA; Terrence O’Leary, Co-founder of Aqua Management , Las Vegas, NV. Greg motioned to assign **one-half (0.05) CEC**, Angela seconded. The vote was all in favor.
 - **“Constructing a Nitrate Free Well in an Area Known to Contain Nitrates”, one (1) hour, October 18, 2014.** The instructor is Dave Landino, Sr., C-57 water well contractor, Landino Drilling Co., Davenport, CA. Greg motioned to assign **one (1.0) CEC** Angela seconded. The vote was all in favor.

- **“Efficiency Through Technology: Session II, two (2) hours, October 18, 2014.** The instructor is Ron Taylor, Owner, Auberry Builders Supply, Auberry, CA; over 40 years experience in water system design and installation. Greg motioned to assign **zero (0) CEC** Angela seconded. The vote was all in favor. *(The Committee chose to table this item until more information is given in abstract).*
- **“Proper Initial Design and Causes for Failure in Deep Well Turbine Pumps, two (2) hours, October 18, 2014.** The instructor is Pete Albanese, Irrigation Product Manager, Mitchell Lewis & Staver, Visalla, CA Angela motioned to assign **one (1.0) CEC**, Joel seconded. The vote was all in favor.
- **“Proper Decontamination of All Drilling Equipment”, one (1) hour, October 18, 2014.** The instructor is Thomas Dalzell, Director of Environmental Research AMS, Inc., American Falls, Idaho. Joel motioned to assign **one (1.0) CEC** Greg seconded. The vote was all in favor.
- **“Recognition and Prevention of Bio-Fouling in Production Wells”, one (1) hour, October 18, 2014.** The instructor is Matthew P. Wiedlin, California Certified Hydrogeologist, No. 97. Angela motioned to assign **one (1.0) CEC** Greg seconded. The vote was all in favor.
- **“Water Treatment: Filtration Solutions for Well Systems”, one (1) hour, October 18, 2014.** The instructor is Randy Delenikos, Vice President – Business Development, Lakos Filtration, Fresno, CA. Greg motioned to assign **one (1.0) CEC**, Joel seconded. The vote was all in favor.
- **“Borehole Cameras as a Well Rehabilitation Tool”, One (1) hour, October 18, 2014.** The instructor is Steve Strong, Global Product Manager, Laval Underground Surveys, Fresno, CA. Angela motioned to assign **one (1.0) CEC**, Joel seconded. The vote was all in favor.
- **“KISS” (Keep it Sanitary S*^#< >) During Pump Replacement”, one (1) hour, October 18, 2014.** The instructor is Clifford L. Fasnacht, Owner, Dougherty Pump & Drilling Inc., Salinas, CA. Angela motioned to assign **one-half (0.5) CEC**, Joel seconded. The vote was all in favor.
- **Marketing in the eTechnology Era (Website Advertising)”, two (2) hours, October 18, 2014.** The instructor is Bill Vander Plaats, Director of Marketing, LAKOS Filtration-Claude Laval Corporation. Angela motioned to assign **Two (2.0) CEC**, both Joel and Greg seconded. The vote was all in favor.
- **“Dealing with Well Contaminants”, one (1) hour, October 18, 2014.** The instructors are Dave Hanson, President, Design Water Technologies, Shorewood, MN; John Kratz, Owner, Groundwater Data, Inc., Murrietta, CA.; Ben Campanile, Sales manager, Jerry & Don’s Yager Pump & Well, Petaluma, CA. Greg motioned to assign **one (1.0) CEC** Angela seconded. The vote was all in favor.