

Pacific Northwest Ground Water Expo

When: February 10-11, 2012

Where: Red Lion Hotel on the River – Jantzen Beach
909 N. Hayden Island Drive
Portland, Oregon 97217
503 283-4466

Cost: starting at \$35

Contact: National Ground Water Association 800 551-7389 or see www.ngwa.org for more information

Continuing education credit (CEC) for the courses that comprise this event have been assigned as follows:

- “Business Tools to Help Drilling Contractors and Pump Installers Operate More Profitably” one (1) hour. The instructor is John Pitz, NGWA. One (1) CEC.
- “Water Treatment: Addressing Elevated Arsenic Levels” one (1) hour. The instructor is Todd Krause, Northwest Water Systems Inc. One (1) CEC.
- “Community Water Systems vs Private Wells: How Department of Health Regulations Differ” one (1) hour. The instructor is Todd Krause, Northwest Water Systems Inc. One (1) CEC.
- “Life-Cycle Economic Analysis of Water Wells – Considerations for Design and Construction” one hour and 30 minutes. Note: this is the 2012 NGWREF McElhiney Lecture. The instructor is Marvin F. Glotfelty, Clear Creek Associates. Approved for 1.5 CECs.
- “Appraisals: Equipment and Business Values – What Do They Mean and What to Do with Them” one hour and 30 minutes. The instructor is Michael A. Salvadore Jr., Salvadore Auctions Inc and Kingfish Capital Advisors, LLC. 1.5 CECs.
- “Washington State Code Rules and Regulations” two (2) hours. The instructor is William E. Lum, Washington Department of Ecology. Zero CEC.
- “Hydrogeology of the Pacific Northwest” one (1) hour. The instructor is F. Michael Krautkramer, Robinson, Noble & Saltbsh Inc. Two (2) CECs.
- “Air Rotary Drilling with Foam” one (1) hour and 15 minutes. The instructor is Bob Oliver, CETCO. 1.5 CECs.
- “How Groundwater Contractors Can Work More Effectively with Consultants to Achieve Quality” one (1) hour and 15 minutes. The instructor is Marvin F. Glotfelty, Clear Creek Associates. 1.5 CECs.
- “Various Geothermal Heat Pump Systems and Their Implications to Groundwater” one (1) hour. The instructor is John Pitz, NGWA. One (1) CEC.
- “Safe Practice Resources for the Groundwater Industry” one (1) hour. The instructor is Kathy Butcher, NGWA. One (1) CEC in the safety/first aid/CPR category.
- “Safely Working Around Heavy Equipment in the Groundwater Industry” one (1) hour. The instructor is Dale R. Cavanaugh, Occupational Safety and Health Administration.

One (1) CEC in the safety/first aid/CPR category.

- “Pacific Northwest State Association Roundtable” one (1) hour. One (1) CEC.
- “Effectively Troubleshooting Water Systems” one (1) hour. The instructor is Jeremy Corbin. 0.5 CEC.