

## 2006 NGWA Ground Water Expo

**When:** December 5-8, 2006

**Where:** Las Vegas Convention Center

3150 Paradise Road

Las Vegas, NV 89109

**Cost:** varies; starts at \$75 for members early registration and goes up

**Contact:** National Ground Water Association, 601 Dempsey Road, Westerville, Ohio 43081; online at <<[www.ngwa.org](http://www.ngwa.org)>>; telephone 800 551-7379 or 614 898-7791

These courses have been assigned continuing education credits (CECs) by the Oregon Well Constructor Continuing Education Committee as follows:

### **Tuesday, December 5:**

- “A Partial-Cab to Reduce the Noise Exposure at the Operator’s Station on Surface Drill Rigs” one hour 30 minutes, David Ingram, NIOSH, *1.5 CEC in the safety/first aid/CPR category*
- “Estimating the Long-Term Yield of Hard Rock Wells” one hour 30 minutes, Carl Lischeske, California Dept of Health Services, *1.5 CEC*
- “New and Emerging Legal Issues: Managing Business Risks” 45 minutes, Jennifer L. Mackanos, Kegler, Brown Hill & Ritter, LPA, *0.5 CEC*
- “Water Well Grouting and Sealing” 40 minutes, Jim Piasecki, CETCO , *0.5 CEC*
- “Advanced Waste Management Capstone Seminar and Implications For Ground Water” one hour 30 minutes, Godfrey A. Uzochukwu, Interdisciplinary Waste Management Institute, North Carolina Agricultural and Technical State University, *1.5 CEC*
- “Cable Tool Drilling” one hour 30 minutes, Roger E. Renner, E.H. Renner & Sons Inc., *1.5 CEC*
- “Common Well Driller Accidents and How to Prevent Them” one hour 30 minutes, Joseph J. Hogan, The Hartford Insurance Group, *1.5 CEC in the safety/first aid/CPR category*
- “Geophysical Technology Applied to Ground Water: Basic Theory, Current and Future Applications” four hours, moderators - Rosemary Knight, Stanford University, and Timothy K. Parker, Schlumberger Water Services, *4 CECs*
- “Using the Personality Assessment Process to Help Business Owners Get the Best Out of Themselves and Their Employees” one hour 30 minutes, Lori A. Moss, Lori Moss & Associates, *1.5 CEC*
- “Water Work in Developing Countries: Getting Involved Session” four hours, moderator - Michael E. Campana, Institute for Water and Watersheds, Oregon State University, *4 CECs*
- “Air Rotary Drilling” one hour 30 minutes, Richard Thron, Mantyla Well Co., *1.5 CEC*
- “Planning for Disaster” one hour 30 minutes, Joseph J. Hogan, The Hartford Insurance Group, *1.5 CEC*
- “Power Tools for the Office - Effective Computer Use for Everyone” one hour 30 minutes, Rick Oberle, Geographic Insights, *1.5 CEC*

- “Child Labor Laws and the Drilling Industry” one hour 30 minutes, Roger E. Renner, E. H. Renner & Sons Inc., *1.5 CEC*
- “Curso Básico de Construcción de Pozos (Construction of Water Wells)” one hour, Ralph A. Cadwallader, Loop Tech International, *1 CEC*
- “Advantages and Methods of Direct-Push Drilling Technology” one hour 30 minutes, Thomas D. Dalzell, AMS and Kenth Melander, Envi Environmental Mechanics AB, *1.5 CEC*
- “Ergonomics for Injury Prevention” one hour 30 minutes, Joseph J. Hogan, The Hartford Insurance Group, *1.5 CEC in the safety/first aid/CPR category*
- “Service Contracts: The Ultimate to Building Repeat Business” one hour 30 minutes, David E. Powell, Edward Powell Pump and Well Drilling Inc., *1.5 CEC*
- “Town Hall Meeting: Government Regulations” one hour 30 minutes, moderator - Christine Reimer, NGWA, *1.5 CEC*
- “All Models Are Wrong: How Do We Know Which Are Useful?” (2006 Darcy Lecture Series) one hour, Eileen Poeter, Colorado School of Mines. *1 CEC*
- “Cementing in Water Well Applications: Issues, Improvement, and Effective Implementation” one hour 30 minutes, Edward A. Anderson, Baroid Industrial Drilling Products, *1.5 CEC*
- “Drill Rig Health and Safety” one hour 30 minutes, Steve Hanley, Schramm Inc., *1.5 CEC in the safety/first aid/CPR category*
- “Using the New NGWA Drilling Cost Calculator” one hour 30 minutes, Michelle Desmond, Desmond Well Drilling Inc.; Ron Peterson, Atlantic Well Drilling Inc.; Roger Renner, E. H. Renner & Sons Inc.; and John Pitz, N. L. Pitz Inc., *1.5 CEC*
- “Surface Water and Ground Water: How the Two Interact” one hour 30 minutes, W. Richard Laton, California State University, *1.5 CEC*
- “Ground Water Data” one hour, moderator - Scott Andres, Delaware Geological Survey, *1 CEC*
- “Determining Actual Productivity and Drilling Operations Impact” one hour 30 minutes, Eugene Mattila and Darwin Hollar, Atlas Copco CMT USA, *1.5 CEC*
- “Downhole Video Technology in 2006” one hour 30 minutes, Steve Strong, Laval Underground Surveys, *1.5 CEC*
- “Managing Conflict in the Workplace” one hour 30 minutes/two hours (?), Lawrence A. Cerrillo, Ingenuity Enterprises International, *1 CEC per 50 minutes*
- “Direct-Push Logging Methods for Subsurface Characterization” one hour, Steve Knobbe, Jon Terpening, Tom Christy, and Troy Schmidt, Geoprobe Systems, *1 CEC*

### **Wednesday December 6, 2006:**

- “Water and Oil - They Really Should Mix” (2007 McElhiney Lecture Series) two hours, Edd Schofield, Johnson Screens., *2 CECs*
- “Drivers and Vehicles: DOT Has Regulations for Both” one hour 30 minutes, Elmer Johnson, Nevada Highway Patrol, and Gary LaBrake, *1.5 CEC in the safety/first aid/CPR category*
- “Fundamentals of Water System Design and Applications” one hour 30 minutes, Edward

P. Butts, 4B Engineering, *0.5 CEC*

- “Geology and Geothermal Installations” one hour, Elizabeth Champeon, SW Cole Engineering Inc., *1 CEC*
- “Microbes in Well Systems Under the Microscope: What It Means to You” one hour 30 minutes, Christine Reimer, NGWA, *1.5 CEC*
- “Drilling on Large-Scale Vertical Ground Heat Exchanger Projects” one hour, Phil Rawlings, TRC Energy Services, *1 CEC*
- “Are You in Compliance or One Inspection from ‘Out of Service?’” one hour 30 minutes, Elmer Johnson, Nevada Highway Patrol, and Gary LaBrake, *1.5 CEC*
- “Pumping System Design and Application” one hour 30 minutes, “Edward P. Butts, 4B Engineering, *0.5 CEC*
- “Implementation of Oil Field Technology into the Water Well Field” one hour 30 minutes, Asher Rosenthal, Mekorot Israel National Water Co., *1.5 CEC*
- “Well Rehabilitation by Design” one hour 30 minutes, David T. Hanson, Design Water Technologies, *1.5 CEC*
- “Geothermal Closed Loop Grouting” one hour, Jeff Bowen, Geo-Loop Inc., *1 CEC*
- “Sell More by Overcoming the Price Objection” three hours, Michelle Nichols, BusinessWeek Online, *3 CECs*
- “From Pump Installer to Water Systems Specialist in One Easy Lesson” one hour, Cary Austin, Cycle Stop Valves Inc., *0.5 CEC*
- “Geothermal Loop Sizing and Design” one hour, Richard W. Hiles, Climatemaster, *1 CEC*
- “Geologic Solution - An Alternative to Arsenic Treatment for Public Water Systems” one hour, Mike Nickolaus, Ground Water Protection Council, *1 CEC*
- “Well Rehabilitation/Microbial Processes” two hours, moderator - Stuart A. Smith, Smith Comeskey Ground Water Sciences, *2 CECs*
- “Regulatory Compliance and Hydrooptic Disinfection with UV” one hour, Phyllis B. Posy, Atlantium, Israel, *1 CEC*
- “Well Design” two hours, moderator - W. Richard Laton, California State University, *2 CECs*
- “Ground Water Sampling” one hour 30 minutes, David Wardwell, In-Situ Inc.; Pearl J. Pereira; Christopher S. Barr, Earth Tech Inc., *1.5 CEC*
- “Cost Savings Through Regulatory Reclassification of Sites at Seymour Johnson Air Force Base” one hour, Eric C. Nesbit, TN & Associates, Inc., *1 CEC*
- “Implementing Streamlined Electronic Sample Planning” one hour, Scot D. Weaver, MSE, and Sarah Wright, EarthSoft Inc., *1 CEC*
- “Dual Tube Applications for Soil and Ground Water Sampling” 45 minutes, Lee Shaw, Geoprobe, *0.5 CEC*

**Thursday December 7, 2006:**

- “Direct-Push Prepacked Screen Monitor Well Installation” 45 minutes, Victor Rotonda and Tom Christy, Geoprobe, *0.5 CEC*

- “Comprehensive Arsenic Tool for Arsenic Removal Technologies” 45 minutes, Peter T. Nathanson, WERC, *0.5 CEC*
- “DOT Questions and Answers” one hour, Elmer Johnson, Nevada Highway Patrol, and Gary LaBrake, *1 CEC in the safety/first aid/CPR category*
- “Nebraska Grout Task Force Clear Cased Research on Grout Material” two hours, Tom Christopherson, Nebraska Health and Human Services System, *2 CECs*
- “Prepacked Monitoring Well Installation and Sampling” one hour, Victor Rotonda, Geoprobe, *1 CEC*
- “Safety Success Through Leadership” one hour, Joseph J. Hogan, The Hartford Insurance Group, *1 CEC in the safety/first aid/CPR category*
- “Using the New NGWA Drilling Cost Calculator” two hours, Michelle Desmond, Desmond Well Drilling Inc.; Ron Peterson, Atlantic Well Drilling Inc.; Roger Renner, E. H. Renner & Sons Inc.; and John Pitz, N. L. Pitz Inc, *2 CECs*
- “Well Video Interpretation” two hours, Marvin F. Glotfelty, Clear Creek Associates, and Gary C. Burchard, Metropolitan Water District, *2 CECs*
- “Conventional and Low Flow Sampling Without Decontamination using a Portable Pump” 45 minutes, Donald G. McEdwards, Rota Pump, *0.5 CEC*
- “Dual Tube Methods for Soil and Ground Water Sampling with Direct-Push Machines” one hour, Lee Shaw, Geoprobe, *1 CEC*
- “How to Be an Effective (Safety) Trainer” one hour, Joseph J. Hogan, The Hartford Insurance Group, *1 CEC in the safety/first aid/CPR category*
- “Aquifer Testing Design and Operation (Slug, Pump, Yield)” 45 minutes, David A. Wardwell, In-Situ Inc., *0.5 CEC*

**Friday, December 8, 2006:**

- “Solar Water Pumping” 45 minutes, Jason Burnett, Conergy, *0.5 CEC*