


National Groundwater Association
Groundwater Week
Las Vegas, NV
December 3-6, 2018

Course		Course Hours	CEUs
Borehole Geophysical Logging for Water Resources/Water Supply Applications	Bruce Manchon & John Sciacca	4	4
Airborne Electromagnetic Surveys for Hydrogeologic Frameworks and Groundwater Management	James Cannia, Jared Abraham, & Ted Asch	3	1.5
Direct Push Methods for Groundwater Sampling & Monitoring	Wes McCall	2	2
Advanced Methods for Monitoring and Sampling in Karst Groundwater Systems	Jason S. Polk, James Shelley, & Rachel Kaiser	2	2
Direct Push Technology – As Useful as Ever. . .and Cost Effective Too	Bruce Manchon & John Sciacca	4	4
Unraveling the Causes of Well Inefficiencies	Thom Hanna	1	1
Resources to Assist You In Outreach and Education to Private Well Owners and Other Professionals	Steve D. Wilson	1	1
Radium Removal from Potable Water Supplies	Peter Meyers	1	0.5
How Water Well Contractors Can Become Invincible to Lawsuits and Save Thousands in Taxes	Larry Oxenham	1	1
Green Infrastructure	Dan O'Rourke	1	0.5
The Essentials for Contractors Working at Surface Mines	John Fowler	1	0.5
Single Phase Motors and Control Testing	Brian Broga	1	0.25
Scientific Groundwater Terminology You May Not Fully Understand – Let's Discuss	Roger Miller	1	1
Support Services for the 21 st Century Business	Don Cleveland	1.5	1.5
Redefining Water Treatment Technology Selection for Today's Water Quality Challenges	Richard A. Mest	1	0.5
Maximizing Efficiency in the Drilling Process Panel	Roger E. Renner, Fred Rothauge, & Gary Shawver	1	1
Materials of Construction and Pumps – What to Use When	Kyle Lanier	1	0.25
An Introduction to Behavior Based Safety (BBS)	Bill Lillich	1	1
AC/Solar Power Blending – Maximize Free Solar Power Without Compromising Performance.	Jeff Lints	1	0.25
Tier IV Engines	Fred McAninich	1	1
Solar Powered Single Phase 3-inch AC Pumps for Replacing Windmills	Nikola Milivojevic	1	0.25
Protecting Today's More Efficient Pump Motors from PWM Damage	Patrick Hogg	1	0.25
Navigating the 2018 Tax Laws to Reduce Uncertainty and Improve Profitability	Brent Ardit & Joe Popp	1	1
Biofilm Presence in Potable Wells and Effective Chemical Treatment Strategies for Removal	Eric Duderstadt	1	0.5
2018 OSHA Crane Rules for Cranes in Construction	John Fowler	1	1
Water Well Rehabilitation and Time Based Preventative Maintenance	Neil Mansuy	1	1

Leaving Your Business on Your Terms – Know your Options	Mary Beth Koester	1	1
Inexpensive Safety Resources Any Company Can Use	Jim Wright	1	1
Constant Pressure Systems – the Opportunity, the Challenges, the Playbook	Mark Reeder	1	0.25
Using Digital Meters on VFD's	Tom Stephan	1	0.25
Supply Chain Survival in the Age of Amazon	David Henrich	1	1
US Department of Energy Pump Efficiency Standards – What You Need to Know	Jeff Frank	1	0.25
Preventative Maintenance – Extending the Life of Your Water	Kevin McGinnis	1	1
Performing Plumbness and Alignment Tests – The Lost, but Essential Art	Roger Renner & Fred Rothauge	1	1
How to Become a Groundwater Guardian Green Site	Jennifer Wemhoff	1	0.5
We Mix Properties. . .Not Mud!!	Douglass Keller	1	1
Transitioning to the 2018 Tax Year: How will It Compare to 2017	Daniel T. Meyer	1	1
Phase Converters, VFDs and Low Harmonics. Why Should I Care?	Nicholas Kingsbury	1	0.25
Groundwater Industry Legislative Update and Current Issues	Margaret Martens	1	1
Don't Forget to Disinfect. . .Developing a Strategy for Microbiological Contamination in Private Water Systems	Kirk Sheasgreen	1	0.5
Advanced Curves, NPSHr, and Sizing Programs	Daniel Featherstone	1	0.25
The Emerging Revolution in Groundwater Rights	Jesse Richardson	1	0.5
How to Conserve Water Using Innovative Techniques with Traditional Problem Water Treatments	Matthew Wirth	1	0.5
Getting Past the "Feel-Good" Part of a Groundwater Project in Third World Country	Edd T Schofield	1	0.5
Drilling Reactive Clays and Shales	Jim Hutmacher	1	1
Business Efficiency – Are We Really in it for the Money	David Baker	1	1
Basic Pump Sizing and Understanding the Pump Curve	Scott O'Brien	1	0.25
Trade Show Exhibits			1



11/03/18

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Date