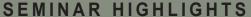
Well Performance and Sustainability Seminar Before February 1, 2018 10:00 AM to 2:30 PM **Megaplex 20 Theaters at the District** 11400 South Bangerter Highway Lunch Provided South Jordan, Utah

Presented by:



Certificates for Professional Development Hours will be given to Seminar Attendees





- Pumping System Design and Installation
- Motor Conditions
- Power Quality
- Well Monitoring
- Well Hydraulic Efficiency
- · Well Development Options
- Chemical Treatment Alternatives

SEMINAR SCHEDULE

9:30 - 10:00 Check In

10:00 - 11:00 Pumps and Motors

11:00 - 12:15 Well and Aquifer Interaction

12:15 - 12:45 Lunch

12:45 - 2:00 Well Performance Solutions

2:00 - 2:30 Questions & Answers

SEMINAR PRESENTERS:



PUMPS AND MOTORS:

Ben Miner, PE has more than 20 years of experience serving the water resource needs of municipal, industrial, and agricultural clients. He specializes in water wells, including pump, motor and related equipment selection, well casing and wellhead design, well performance evaluation, well maintenance pumping system upgrades, materials selection, pressure transients and screen sizing. Ben designs well related piping, fittings, meters and valve systems. He

also maintains professional contacts with well and pump equipment vendors and manufactur ers.



WELL AND AQUIFER INTERACTION:

Lance Nielsen, PE serves as project engineer and manager for water resources engineering projects and has specialized in water resource investigation and analysis since 1999. His expertise in groundwater characterization, 2D and 3D groundwater flow and water quality modeling, well siting evaluation, well design and development, and regulatory compliance related to well drilling and operation has helped several water systems with the development of new water sources and the

maintenance of existing sources. Lance has completed formal training in well drilling fluids design.



WELL PERFORMANCE SOLUTIONS:

Bill Bigelow, PE has 38 years of experience in municipal water systems engineering including wells, springs, water system facilities design and construction and master planning. Bill specializes in well drilling and well rehabilitation and has completed training courses in drilling mud design and biofouling remediation.

Registration – **Deadline January 25, 2018**. Attendance is limited. Registrations will be accepted on a first-come first-served basis. Please submit lower portion with payment – Copies accepted

Well Performance and Sustainability Seminar - February 1, 2018, 10:00 a.m.

Name	Affiliation	Registration Fee (Includes Lunch)
		\$15.00
Amount Enclosed or PO Number:		

Address: _____ Phone No. :_____

Send registration form and payment by check, money order or purchase order to:

Hansen, Allen & Luce, Inc. 859 W. South Jordan Parkway, Ste. 200 South Jordan, Utah 84095 For further information call Bill Bigelow, Ben Miner, or Lance Nielsen at **801-566-5599**