

Drilling Fundamentals 101

Provides an overview of the fundamentals of drilling including direct-push, hollow-stem auger, sonic, air rotary casing hammer, stratex under-reaming, mud rotary, flooded reverse circulation and aquifer cross contamination prevention. The seminar is excellent for new field personnel or seasoned veterans needing a refresher. Attendees will leave the seminar with a clear understanding of what drilling method is economically and technically appropriate for differing sites.

Sonic Drilling

Offers an in depth study of the sonic drilling fundamentals, well construction, sonic head design, depth discreet water sampling, telescoping and over-reaming techniques, depth and diameter capabilities, and cross contamination prevention strategies.

Drilling Fluids Management

Students are educated in the fundamentals of mud properties and the importance of maintaining the quality of the mud during the drilling process. Portable mud pits utilizing linear motion shaker technology is also addressed.

Water Well Fundamentals 101

This one hour presentation is designed to provide a complete overview of water well design and construction from start to finish. Topics covered include key considerations when writing design specifications as well as techniques and strategies for test hole drilling, water quality sampling, final construction, development and aquifer testing. Attendees will come away with a basic level of understanding for the critical elements of a water well project that are necessary in order to implement project objectives with minimal risk.

Direct Push Technologies

Direct Push Technology serves many investigation procedures and remediation practices. Learn about dual wall sampling, discrete water sample recovery, and small diameter well construction, as well as the use of geophysical instrumentation to accelerate site characterization in this hour long presentation.

In-Situ Remediation Tools & Technologies

An introduction to the considerations and logistics involved in planning and executing in-situ injection projects. Topics covered include: tools and strategies for using temporary injection points and permanent injection wells, pump selection, mixing

and batching systems, product measurement in the field and more. The seminar takes a strictly technical approach to getting products in the ground at the desired target zones and is applicable to a wide range of remediation materials from powerful chemical oxidants to food grade enhanced bio-remediation products.

Submersible Pump Selection

This one-hour presentation starts with a description and review of the internal workings of a submersible pump. An actual "cut-away" pump is provided for the attendee's hands-on experience. Pump system terminology is presented as the seminar moves into pumpsizing and selection. After a review of pump selection criteria, the class will be presented with a sample case study and exercise. The exercise sequentially revisits the seminar and gives students an opportunity to calculate the necessary system parameters to choose a pump based on data provided.



For more than 10 years, WDC has provided private clients, university students, municipalities, and local, state and national agencies the opportunity to become better educated. Our seminars require approximately one hour and are typically presented during lunch. At no expense to you a WDC drilling professional will travel to your location and present one of our multi-media seminars during a WDC catered meal.

WDC SEMINARS

If you are interested in a complimentary brown bag seminar, please contact one of our offices to schedule a presentation. No group is too big or too small.

Albuquerque 800.914.7506 • Indianapolis 317.872.1203

Las Vegas 702.558.9800 • Los Angeles 800.974.2769 • Phoenix 800.584.6471

Sacramento 800.873.3073 • San Francisco 510.236.6282

Water Resources 877.426.9355

wdcexploration.com