

wdc

exploration and wells

is pleased to invite you to a week of education and training at our new Bay Area facility. Join us for a few minutes, a couple hours or the whole day to see our new office, meet our staff, learn a little, eat a cookie and maybe even have some fun. We look forward to seeing you.

monday - friday

december 10 - 14, 2007

8am - 6pm

we will be presenting multi-media seminars on:

- drilling fundamentals
- sonic drilling
- submersible pump sizing & selection
- drilling fluids management
- direct push technologies

refreshments and lunch will be provided

in addition...

- red cross certified first aid & cpr
- OSHA 8 hr hazwoper update

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education

all complimentary

safety training

drilling fundamentals 101

A thorough overview of the fundamentals of drilling including 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

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

submersible pump sizing and selection

Provides an overview of submersible pump sizing, selection and power requirements. Also explains how total dynamic head (TDH) is calculated by using vertical lift, friction loss, and pressure variables and will show attendees how to apply TDH information to a pump selection curve diagram. This seminar also offers students the chance to handle actual submersible pumps and motors.

drilling fluids management

Students are educated in the fundamentals of mud properties and the benefits to well yields by maintaining appropriate mud programs while drilling. The benefits of utilizing portable mud cleaners equipped with linear motion shaker technology is also discussed.

direct push technologies

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

american red cross first aid and cpr training

Course participants attending this 5 hour session will receive American Red Cross first aid & cpr with AED certification. Your family members are also welcome to attend this training.

8 hour hazwoper update

Course participants attending this 8 hour session will receive a certificate of attendance for a training class meeting the requirements of 29 CFR.1910.120 and title 8 CCR 5192.

first come first served
seated space limited

each educational seminar qualifies for .1 hour of continuing education credit
certificate of completion will be provided to all attendees

sign-up

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schedule

| | mon.12.10 | tue.12.11 | wed.12.12 | thu.12.13 | fri.12.14 |
|--------|---------------------------------------|---------------------------------------|---------------------------------------|------------------------------|-----------------------|
| 8am | drilling 101 | sonic drilling | drilling fluids management | 8 hour hazwoper update 8a-5p | first aid & cpr 8a-1p |
| 10am | direct push technologies | drilling fluids management | drilling 101 | | |
| 12noon | submersible pump sizing and selection | drilling 101 | sonic drilling | | |
| 2pm | drilling fluids management | submersible pump sizing and selection | direct push technologies | | |
| 4pm | sonic drilling | direct push technologies | submersible pump sizing and selection | | |



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