



# Ditch Witch®

## UNIVERSITY 2010 • CLASS DESCRIPTIONS

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### **A Mud School**

A representative from Wyo-Ben® drilling products will teach general principals of fluid products used in horizontal directional drilling applications. What slurry is best for your drilling conditions?

### **B Horizontal Drill and Drill Rod Maintenance\***

A representative from DitchWitch® will show proper care and maintenance for your directional drilling rig with a special emphasis on drill rod care. He will cover scheduled and unscheduled maintenance and to enable you to keep your drill in the field and out of the shop. He will examine all aspects of the rods used in the directional drilling operation including makeup & breakout procedures, lubrication, bend radius information, and much more.

A must for anyone operating a drill.

### **C Cable/Pipe Locating Techniques\***

A representative from Ditch Witch® Electronics will review principals of cable and pipe locating.

### **D Advanced Cable/Pipe Locating Techniques\***

A representative from Ditch Witch® Electronics will give instruction on complex or difficult locates as well as the proper use of the new DitchWitch® AF2 & FT14 fault locating system. There will also be some instruction/information on ground penetrating radar systems.

### **E Directional Trackers & Beacons\***

A representative from Ditch Witch® Electronics will show proper use and care of Ditch Witch® beacons and trackers. He will also provide instruction and demonstration of the latest tracker, the model 8500.

### **F Trenchers & Plows\***

A representative from DitchWitch® will examine safe and proper operation of traditional trenching and vibratory plowing equipment. What to watch for on wear items like chain, dig teeth, sprockets, and plow blades. Discussions on the different types of teeth available for your digging conditions. Daily maintenance of your DitchWitch® trencher.

### **G D.O.T. Regulations**

The Motor Carrier Section of the South Dakota Highway Patrol will provide an explanation of current D.O.T. regulations with a question and answer session to follow. Officers will explain proper load securement and roadside inspection procedures and what to expect when getting inspected.

### **H Horizontal Geo-Thermal (Ground Source Heat Pump) Wells\***

A representative from Ditch Witch® will explore the methods and products used in this growing field. Includes an introduction to GSHP systems. Discussions on the various applications and practical use of horizontal drills in the water-to-air heat pump field will be discussed. Loop installation methods, loop material options, drilling tool options, drilling methods, & loop installation tooling and grouting options will all be discussed.

### **I Boring Technologies**

A representative from DitchWitch® will explore the various drilling and boring techniques available in today's marketplace. Directional drill rigs, rod pushers, Roto Witch, piercing tools and more will be discussed to help those in the underground industry understand which device is best suited for their job.

### **J Construction Vac's**

A representative from DitchWitch® will show proper care and maintenance for your vac rig, scheduled and unscheduled maintenance and what to look for to keep your vac in the field and out of the shop. He will also examine the many applications for vacs in today's marketplace. A must for anyone operating a vac.

### **K Vehicle Care & Maintenance**

Russ Evans from the Under the Hood Show and Tim from Justice Brothers will be at the show demonstrating how to save money through maintenance. They will answer questions about vehicle and equipment repairs and upkeep, and put on product demos using Justice Brothers Products.

### **L SD One Call**

A representative from the South Dakota One Call system will share the latest information needed to work with the South Dakota One Call system.

### **M Trencher & Drill Systems**

A representative from Ditch Witch® will explore the various digging systems and downhole tooling available in today's marketplace. Among the topics of discussion will be directional beacon housings & bits, backreamer selection, along with trencher chains, teeth & sprockets. This class will help you to discover which digging or boring system device is best suited for your conditions?

### **N Horizontal Grade Boring System**

A representative from Ditch Witch® will explain operation of the new Ditch Witch OnGrade system.

*\*SD Electrical Commission approved for 1 hour of non-code continuing education credit, also approved contact hours for the SD DENR.*



# Ditch Witch®

## UNIVERSITY 2010

### FREE TRAINING EVENT SCHEDULE

### Tuesday / Wednesday • January 5 & 6, 2010

(Class schedule repeated each day)



TIME	REGISTRATION	ROOM #1 CAPACITY 72	ROOM #3 CAPACITY 84	ROOM #2 CAPACITY 72	ROOM #6 CAPACITY 72	EXHIBIT HALL #1 CAPACITY 1154
<b>W E L C O M E E X H I B I T H A L L # 1</b>						
8:00 - 9:00 AM	OPEN REGISTRATION					<b>EQUIPMENT DISPLAY</b>
9:00 - 9:50 AM	OPEN REGISTRATION	<b>CLASS B*</b> HORIZONTAL DRILL AND DRILL ROD MAINTENANCE	<b>CLASS C*</b> CABLE/PIPE LOCATING TECHNIQUES	<b>CLASS G</b> D.O.T. REGULATIONS	<b>CLASS H*</b> HORIZONTAL GEO-THERMAL (GROUND SOURCE HEAT PUMP) WELLS	
10:00 - 10:50 AM	OPEN REGISTRATION	<b>CLASS F*</b> TRENCHERS & PLOWS	<b>CLASS D*</b> ADVANCED CABLE/PIPE LOCATING TECHNIQUES	<b>CLASS M</b> TRENCHER & DRILL SYSTEMS	OPEN	
11:00 AM - NOON	OPEN REGISTRATION	<b>CLASS J</b> CONSTRUCTION VAC'S	<b>CLASS E*</b> DIRECTIONAL TRACKERS & BEACONS	<b>CLASS A</b> MUD SCHOOL	<b>CLASS K</b> VEHICLE CARE & MAINTENANCE	
NOON - 1:00 PM	OPEN REGISTRATION	<b>L U N C H E X H I B I T H A L L # 1</b>				
1:00 - 1:50 PM	OPEN REGISTRATION	<b>CLASS B*</b> HORIZONTAL DRILL AND DRILL ROD MAINTENANCE	<b>CLASS C*</b> CABLE/PIPE LOCATING TECHNIQUES	<b>CLASS M</b> TRENCHER & DRILL SYSTEMS	<b>CLASS H*</b> HORIZONTAL GEO-THERMAL (GROUND SOURCE HEAT PUMP) WELLS	
2:00 - 2:50 PM	OPEN REGISTRATION	<b>CLASS F*</b> TRENCHERS & PLOWS	<b>CLASS D*</b> ADVANCED CABLE/PIPE LOCATING TECHNIQUES	<b>CLASS A</b> MUD SCHOOL	<b>CLASS L</b> SD ONE CALL	
3:00 - 4:00 PM	OPEN REGISTRATION	<b>CLASS I</b> BORING TECHNOLOGIES	<b>CLASS E*</b> DIRECTIONAL TRACKERS & BEACONS	<b>CLASS G</b> D.O.T. REGULATIONS	<b>CLASS N</b> HORIZONTAL GRADE BORING SYSTEM	

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**Directional Drills:** JT520, JT922, JT1220 Mach 1, JT2020 Mach 1, JT3020 Mach 1  
**Heavy Duty Trenchers:** RT115H, RT70M, RT95M, RT80, ZRT65, 5110  
**Midsized Trenchers:** 5700, RT45, RT40, 3700  
**Pedestrian Trenchers:** 1330H, R150 Zahn, RT12  
**Combo's:** ZRT65  
**Excavator/Tool Carriers:** XT850, XT855, XT1600  
**Mini Skid Steers:** SK300, SK650  
**Mini Skid Steer Attachments:** Trencher, Tree Fork, Harley Rake, Broom, Tiler, Backfiller, Carry-All Leveler, Grapple Fork, Vibratory Plow  
**Lawn Plows:** 410SX Deutz, 420SX, 255SX  
**Mixing Systems:** FM5, FM13V, ZMM5  
**Mini Excavators:** MX15, PC35  
**Vac's:** FX20, FX30  
**Reel Trailer:** 1-65 Wheeler Reeler  
**Piercing Tools:** PA2.25, PA2.70, 3.10  
**Towmaster Trailers:** T-5T, C-10, C-14, T-16T, T-180DB, T-20, T-30  
**Zahn Units:** R300 Plow, R300 High Lift, R300 Trencher, R300 Backhoe  
**Electronics:** 150R/T, 250R/T, 868, 888, 850B, 8500D, 8500TKR, 910B, 910R, 950R, 950T, 980SP, 980T, 980FT, 980T, LIVE POWER ADAPTER, EML, 752D, 752TKR,  
**Stanley Hydraulic Tools:** CS06, ID07, TA54, PD45, TP03  
**Compaction Equipment:** MP36, SP36, MST41, ST60, S1A