

COURSE TRACKS

T TRAINEE TRACK

CONTRACTOR LICENSING BASICS
WED (2/20) | 2:00 PM – 3:00 PM
THR (2/21) | 3:15 PM – 4:15 PM

This course is the first of a two part course pertaining to licensing basics for contractors by the state and then to go into depth of what is required for legal contracts.

VA UNDERGROUND UTILITY DAMAGE PREVENTION ACT
WED (2/20) | 12:30 PM – 1:30 PM
THR (2/21) | 2:00 PM -3:00 PM

Course will cover the Miss Utility/811 process in Virginia and the laws that are associated. A roundtable discussion will also be held.

DRILLING SAFELY
WED (2/20) | 9:30 AM – 10:30 AM
THR (2/21) | 10:30 AM – 11:30 AM

To educate drilling and well servicing companies about some of the industry's best practices and regulations that may affect them.

MUD SCHOOL: SESSION 1; BASIC MUD & AIR ROTARY DRILLING
WED (2/20) | 8:00 AM – 9:00 AM
THR (2/21) | 9:00 AM -10:00 AM

This course is a beginner's course which will introduce the basic types of mud structure for various types of drilling applications. How to create the different viscosities, appropriate volumes for mud rotary.

PROPER WATER SAMPLING FOR FAIL PROOF ANALYSIS
WED (2/20) | 4:00 PM – 5:00 PM

This course will prepare the contractors on the state requirements for acceptable standards for various contaminants and how to retrieve these samples. Contractors will leave knowing the importance of protocol and how to ensure they are taking the appropriate samples.

J JOURNEYMAN TRACK

METER TRAINING
WED (2/20) | 8:00 AM – 9:00 AM
THR (2/21) | 9:00 AM – 10:00 AM

This demo class will be a hands on event, contractors can bring in their own meters to test, verify and understand how to check electrical motors and wires.

MUD SCHOOL: SESSION 2; GROUTING FOR WATER WELLS
WED (2/20) | 9:30 AM – 10:30 AM
THR (2/21) | 10:30 AM -11:30 AM

This course is an intermediate course which will provide the instruction behind different aggregates, sand capacity, water volume and applications for different geology.

RIG SAFETY
WED (2/20) | 4:00 PM – 5:00 PM

This course will provide an overview on rig maintenance and common troubleshooting techniques on the jobsite.

SOLAR PUMPING SYSTEMS
WED (2/20) | 12:30 PM – 1:30 PM
THR (2/21) | 2:00 PM – 3:00 PM

This course is an introduction to solar pumping systems. The presentation will cover the basics of solar pumping, including primary applications, system design and operation, to sizing of solar submersible pump systems.

USGS: MONITORING LAND-SURFACE DEFORMATION IN VA COASTAL PLAIN
WED (2/20) | 2:00 PM – 3:00 PM
THR (2/21) | 3:15 PM – 4:15 PM

This course will review the study the USGS is conducting on the relation between groundwater withdrawals and injection with land-surface movement.

M MASTER TRACK

FMCSA: DRUG & ALCOHOL PROGRAM REQUIREMENTS
WED (2/20) | 9:30 AM – 10:30 AM
THR (2/21) | 10:30 AM – 11:30 AM

This course will present the Virginia Drug and Alcohol Program for contractors and provide an opportunity to address common misinformation and the appropriate testing program to be implemented by every contractor.

MASTER'S CLASS: ROUND TABLE DISCUSSION
WED (2/20) | 4:00 PM – 5:00 PM

This course is designed to provide an opportunity for contractors at any certification level to ask questions and discuss anything related to projects, business tactics, relationships, skills and guidance in any capacity needed from Master Certified Water Well Service Providers.

MUD SCHOOL: SESSION 3; DRILLING RIG MATH
WED (2/20) | 12:30 PM – 1:30 PM
THR (2/21) | 2:00 PM -3:00 PM

This course is a master level course focusing on the physics, pressures and geology behind the different drilling methods. Identifying how to appropriately address how in response to the needs of the bore hole during construction.

TIPS FOR CONTRACTING WITH VA STATE AGENCIES
WED (2/20) | 8:00 AM – 9:00 AM
THR (2/21) | 9:00 AM – 10:00 AM

This course will provide training for contractors to know how to market their company's services. 1. Benefits of SWAM and Micro Certifications for small business. 2. Navigating eVA (Virginia's e-procurement portal) 3. How to find potential business with state and local government agencies.

VDH: PRIVATE WELL REGULATIONS UPDATE
WED (2/20) | 2:00 PM – 3:00 PM
THUR (2/21) | 3:15 PM – 4:15 PM

The Private Well Regulations have undergone a major revision and update, the first since their release in 1991. The course will discuss the pending changes and discussions that were held by their representatives and how that affects their job.

B BONUS TRACK

CONTRACTOR CONTRACTS
WED (2/20) | 8:00 AM – 9:00 AM
THR (2/21) | 9:00 AM – 10:00 AM

This course is a two part to first repeat previous course pertaining to licensing basics for contractors by the state and then to go into depth of what is required for legal contracts.

EVOLUTION OF VA GROUNDWATER LAW
WED (2/20) | 9:30 AM – 10:30 AM
THR (2/21) | 10:30 AM – 11:30 AM

This course will review important case laws and regulations impacting Virginia Water Well contractors. The course will be interactive, as the speaker will invite participants to discuss issues they are facing. The course concludes with strategies to ensure well contractors are at the table.

FEEDBACK: HOW IS YOUR ASSOCIATION WORKING FOR YOU?
THR (2/21) | 4:30 PM – 5:30 PM

This course is an informal platform for attendees, exhibitors and any participants of the conference to discuss concerns or issues related to the groundwater industry.

MUD SCHOOL: SESSION 4; DRILLING HYDRAULICS
WED (2/20) | 2:00 PM – 3:00 PM
THR (2/21) | 3:15 PM - 4:15 PM

This course is an advanced master level course which goes into depth behind drilling hydraulics. Focusing in on line pressure, bit pressure, fluid force and overall rig engine power and drilling design.

SEWAGE DESIGN
WED (2/20) | 4:00 PM – 5:00 PM

Contractors will be able design well permits with knowledge of the onsite sewage engineers design parameters.

WELL BASICS FROM A TO Z
WED (2/20) | 12:30 PM – 1:30 PM
THR (2/21) | 2:00 PM – 3:00 PM

This course is an introductory course that will provide an understanding of the basics of water well construction, terms and construction processes.

COURSE DIAGRAM

WEDNESDAY, FEBRUARY 20

	PARLOR A	PARLOR B	PARLOR C	PARLOR D
8:00 AM	MUD SCHOOL: SESSION 1; BASIC MUD & AIR ROTARY DRILLING	METER TRAINING	TIPS FOR CONTRACTING WITH VA STATE AGENCIES	DPOR CONTRACTS
9:30 AM	DRILLING SAFELY	MUD SCHOOL: SESSION 2; GROUTING FOR WATER WELLS	FMCSA: DRUG & ALCOHOL PROGRAM REQUIREMENTS	EVOLUTION OF VA GROUNDWATER LAW
12:30 PM	VA UNDERGROUND UTILITY DAMAGE PREVENTION ACT	SOLAR PUMPING SYSTEMS	MUD SCHOOL: SESSION 3; DRILLING RIG MATH	WELL BASICS FROM A TO Z
2:00 PM	DPOR LICENSING BASICS	USGS: MONITORING LAND-SURFACE DEFORMATION IN VA	VDH: PRIVATE WELL REGULATIONS UPDATE	MUD SCHOOL: SESSION 4; DRILLING HYDRAULICS
4:00 PM	PROPER WATER SAMPLING FOR FAIL PROOF ANALYSIS (NO REPEAT)	RIG SAFETY (NO REPEAT)	MASTER'S CLASS (NO REPEAT)	SEWAGE DESIGN (NO REPEAT)

THURSDAY, FEBRUARY 21

	PARLOR A	PARLOR B	PARLOR C	PARLOR D
9:00 AM	MUD SCHOOL: SESSION 1; BASIC MUD & AIR ROTARY DRILLING	METER TRAINING	TIPS FOR CONTRACTING WITH VA STATE AGENCIES	DPOR CONTRACTS
10:30 AM	DRILLING SAFELY	MUD SCHOOL: SESSION 2; GROUTING FOR WATER WELLS	FMCSA: DRUG & ALCOHOL PROGRAM REQUIREMENTS	EVOLUTION OF VA GROUNDWATER LAW
2:00 PM	VA UNDERGROUND UTILITY DAMAGE PREVENTION ACT	SOLAR PUMPING SYSTEMS	MUD SCHOOL: SESSION 3; DRILLING RIG MATH	WELL BASICS FROM A TO Z
3:15 PM	DPOR LICENSING BASICS	USGS: MONITORING LAND-SURFACE DEFORMATION IN VA	VDH: PRIVATE WELL REGULATIONS UPDATE	MUD SCHOOL: SESSION 4; DRILLING HYDRAULICS
4:30 PM	FEEDBACK: HOW IS YOUR ASSOCIATION WORKING FOR YOU? (NO REPEAT)			

All courses are one hour in length and have at a minimum 15 minute break between classes. In order to receive credit for each course you must not miss more than ten minutes of classtime and sign the class roster in addition to having the proof of attendance form signed by the appointed director or speaker. All speakers provide education based on their expertise within the industry or associated profession.