

DPT & HSA Drilling Services

Direct Push Technology & Hollow Stem Augering Services

Direct Push Technology (DPT), or “direct push” machines push tools and sensors into the ground without the use of drilling to remove soil. A DPT machine relies on static weight of the carrier vehicle, combined with percussion as the energy for advancement of a tool string. DPT tools do not remove cuttings from the probe hole but depend on compression of soil or rearrangement of soil particles to permit advancement of the tool string.



Using a DPT machine, tools can be driven to obtain continuous or discrete soil cores, obtain ground water or vapor samples, install permanent sampling points, inject remediation materials, or drive a direct sensing tool such as an Ultra-Violet Optical Screening Tool (UVOST®), Tar-specific Green Optical Screening Tool (TarGOST®), Membrane Interface Probe (MIP), or Hydraulic Probing Tool (HPT) to map subsurface lithology or contaminants.

Whatever your application, Dakota has a direct push unit to fulfill your project needs. Dakota's fleet of direct push units is equipped with some of the most powerful and versatile DPT equipment in the industry.

Direct Push Technology Services:

- Percussion DPT Systems (All Terrain and Truck Mounted)
- Continuous soil testing via Dual-Tube and/or Macro-Core samplers
- Discrete water sampling via Screen Point 15 method
- Conventional water sampling via 1" PVC screens and casing
- Temporary and permanent soil gas monitoring points

Hollow Stem Auger Services (All-Terrain and Truck Mounted):

Dakota is a licensed monitoring well installation contractor (where required) in Alabama, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Montana, Nebraska, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, South Carolina, South Dakota, Tennessee, West Virginia and Wisconsin.

- Hollow-stem/Macro-Core Hybrid Continuous Soil Sampling
- Monitoring Well and Potable Well Sealing Services
- Site Restoration and Follow-up Reporting

In-Situ Remediation Services:

Our experienced staff, working together with a variety of remediation product suppliers, deliver high levels of service and expertise using the latest technologies and in-situ application methods. Examples of our in-situ injection capabilities include (direct push and/or permanent point injection):

- Enhanced Aerobic & Anaerobic Bioremediation
- Bioaugmentation
- Chemical Oxidation
- Metals Stabilization



**DAKOTA
TECHNOLOGIES**

www.dakotatechnologies.com
info@dakotatechnologies.com
701.237.4908

Atlanta, GA
Boston, MA
Minneapolis, MN
Morris, MN
Kansas City, MO
Fargo, ND
Columbus, OH
Charleston, SC
Virginia Beach, VA