

# DOUGLAS E. KNIGHT

GREENVILLE, SOUTH CAROLINA  
PHONE: 864.356.8424

---



## WORK EXPERIENCE

---

- **5/00 – Present: FRx, Inc.**

*Operations Manager, Clemson*

Directs project planning, resource acquisition (including personnel and equipment,) field implementation, and reporting and analysis of multiple projects. Also instrumental in corporate business development.

*Project Manager, Clemson, SC*

Responsible for the logistics, execution and management of environmental hydraulic fracturing projects. Present summaries of work at national conferences.

- **3/99 – 6/01: Clayton Group Services, Inc.**

*Manager, Atlanta Regional Office*

Responsible for the management of multiple environmental projects, including: multiple, state owned, petroleum release site investigations, corrective action plan reports, and remediation projects for Georgia Environmental Facilities Authority (GEFA). Multiple UST projects including corrective action plans, site investigations, tank closures and installations, and remedial system design and O&M.

- **11/97 – 3/99: Environmental Corporation of America (ECA)**

*Project Manager, Alpharetta, Georgia*

Responsible for the management of multiple environmental projects including: Multiple site petroleum release investigations and preparation of corrective action plans for major oil companies in Georgia and Alabama. Phase I, Phase II, and Geotechnical Investigations in several states, including Georgia, Alabama, Colorado, Kansas, Utah, Florida, Washington, and Maryland.

- **11/97 – 3/99: Environmental Construction and Equipment Company (ECEC)**

*Project Manager, Alpharetta, Georgia*

Project Manager for the operation of a mobile thermal oxidizer used for the treatment of offgas from the vacuum extraction of subsurface petroleum hydrocarbons. Project Manager for the design, installation, and operation of a mobile air stripping system for an emergency response diesel release on behalf of a petroleum pipeline company. Duties also involved communications with local, state, and federal regulatory agencies. Technician for the design, installation, maintenance, and monitoring of an air sparging groundwater treatment system for a PCE plume.

- **6/97 – 11/97: United Consulting Group, Ltd.**

*Field Technician, Atlanta, GA*

Geotechnical investigation and construction materials testing and observation for materials used in commercial, multi-story buildings, including steel, concrete, and earth materials.

## EDUCATION

---

- B.S., Environmental Geology, Clemson University

## CERTIFICATIONS

---

- OSHA 30 Construction Safety
- Hazardous Waste Site Worker (40 hr HAZWPR)
- Current 8 Hr Refresher
- OSHA Lockout/Tagout training
- OSHA Respiratory Protection training
- OSHA Hearing Conservation training
- WHIMS for Managers and Supervisors
- Basic Safety Training from Sarnia-Lambdon IEC
- US DOE Radiological Worker I & II
- Heavy Equipment Operator Certification
- 10,000 PSI Water Jet Operator Certification
- Hydraulic Fracturing Equipment Operator Certification
- Environmental Monitoring Well Design and Construction

## OTHER EXPERIENCE

---

- Subcontractor procurement/negotiations, client management, supervision and training of field personnel, budget planning, report preparation, and interaction with regulatory agencies.
- Hydrogeologic experience includes the installation of soil borings and monitoring wells, the collection of soil, groundwater and surface water samples, soil classification, aquifer testing, separate-phase hydrocarbon recovery, soil gas surveys, and site surveying. Drilling techniques include hollow stem auger, air rotary, air hammer, mud rotary drill rigs, direct push, CPT technology, and subsurface fracturing technology.

## AFFILIATIONS

---

- National Groundwater Association

## PUBLICATIONS / PRESENTATIONS

---

- Doug Knight and Bill Slack. "Comparison of Techniques for Creation of Iron-Filled Hydraulic Fractures." Seventh International Conference Remediation of Chlorinated and Recalcitrant Compounds, Session D7, Improved Delivery Methods: Injection and Soil-Mixing. Monterey, California; May 24-27, 2010.
- Doug Knight, Jim Richardson, Todd Herrington, Belinda Butler-Veytia. "Delivering HRC with Hydraulic Fracturing." Ninth International In Situ and On-Site Bioremediation Symposium (Baltimore, Maryland; May 7-10, 2007).
- Doug Knight and Graham Bradner. "Delivering HRC Primer™ via Hydraulic Fracturing." Eighth International In Situ and On-Site Bioremediation Symposium (Baltimore, Maryland; June 6-9, 2005)
- Knight, D. E. and W. W. Slack "Delivering Various Reduction and Oxidation Chemicals Via Hydraulic Fracturing." The Third International Conference on Oxidation and Reduction Technologies for In Situ Treatment of Soil and Groundwater, San Diego, CA. , San Diego, California. 2004.