

## Resumé:

### **KRISTIN A. VANLANDINGHAM, P.E.**

*Ms. VanLandingham is a registered professional engineer with eighteen years of experience in environmental remediation and site assessment activities at state-regulated, RCRA and CERCLA facilities. Ms. VanLandingham focuses on remedy selection, remedial system design, operation & maintenance, performance monitoring, and reporting. She is experienced in the remediation of chlorinated solvents and other recalcitrant compounds in groundwater, surface water, soil, and sediments. Ms. VanLandingham is also experienced with the remediation of petroleum products, pesticides, terpenes, phthalates, metals, and other compounds.*

*She has designed, implemented, and managed numerous remediation projects employing a variety of remedial technologies such as groundwater recovery and treatment projects (in particular air strippers, activated carbon treatment, and off-gas treatment), soil vapor extraction, multi-phase extraction, air sparging/biosparging, in situ technologies, and monitored natural attenuation. Ms. VanLandingham has prepared RCRA permit applications, NPDES permit applications, feasibility studies, corrective measures studies, work plans, remedial design documents and specifications, as-built drawings, and performance monitoring reports*

*Ms. VanLandingham has management and evaluation experience on a variety of assessment and remediation projects that total over \$1 million annually. She has developed an effective working relationship with engineers, geologists, environmental professionals, and resource managers within and outside the firm. She has also participated in negotiations with regulatory agencies for many types of contaminated facilities.*

### **Fields of Competence**

- Soil/Groundwater/Soil Vapor Investigations
- Remedial Design
- Remedial System Optimization, Operation & Maintenance
- RCRA and NPDES Permitting
- RCRA/CERCLA/Voluntary Cleanup
- Risk-based Site Closure
- Hazardous Waste Management

### **Education**

- B.S., Civil Engineering, Florida State University, 1992

### **Registrations and Certifications**

- Registered Professional Engineer
  - Florida / #53901
  - Georgia / #PE035825
  - New York / #089610

### **Training**

- OSHA 1910.120 40-hour Health and Safety Training
- OSHA 1910.120 8-hour Health and Safety Annual Refresher Training
- OSHA 1910.120 8-hour Health and Safety Site Supervisor Training
- MSHA 30 CFR Part 48 24-hour Training for New Metal/Non-Metal Surface Miners
- MSHA 30 CFR Part 48 8-hour Refresher Training for New Metal/Non-Metal Surface Miners

### **Key Projects**

Project Manager/Engineer, Remedial Alternatives Evaluation and Design, Dyno Nobel, Port Ewen, New York. Responsible for preparation of Corrective Measures Study and design of large scale excavation, on-site consolidation, and capping, of metals in contaminated soils and sediment at an electronic

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detonator manufacturing facility. Work directed by New York State Department of Environmental Conservation (NYSDEC).

Project Manager/Engineer, ELG Utica Alloys, Utica, New York. Responsible for preparation of a Focused Feasibility Study for chlorinated solvents-impacted soil, groundwater, and indoor air at a specialty metal turnings recycler. The FFS considers several technologies including in situ chemical oxidation (ISCO), soil vapor extraction (SVE), enhanced bioattenuation, and monitored natural attenuation (MNA). Work directed by NYSDEC.

Project Engineer, Remedial Alternatives Evaluation, Confidential Specialty Chemicals Company, Jonesboro, Georgia. Responsible for evaluation and selection of remedy for chlorinated solvents in groundwater at a former dry cleaning site. Potential remedies include ISCO, groundwater recovery and treatment, thermal remedies, enhanced bioattenuation, and MNA. Work directed by Georgia Environmental Protection Division (GEPD).

Project Manager/Engineer, Large Scale Soil Excavation, Confidential Specialty Chemicals Company, Port Tampa, Florida. Responsible for engineering oversight of large-scale soil excavation, in situ remediation (using Biox), and risk-based site closure. Work directed by Florida Department of Environmental Protection (FDEP).

Project Manager, Corrective Action and Performance Monitoring, BASF Corporation, Attapulgus, GA. Responsible for design of corrective action, included monitored natural attenuation, performance monitoring and reporting for three landfills regulated under the direction of GEPD.

Project Manager, Remediation System Design and Installation, Confidential Specialty Chemicals Company Facility, Orlando, Florida. Responsible for design, installation, O&M,

performance monitoring and reporting of remediation of mixed solvents in groundwater, using air sparging and soil vapor extraction for treatment of soil and groundwater at the site. Work directed by FDEP.

Project Manager, Remediation System Design and Installation, Confidential Specialty Chemicals Company Facility, North Miami Beach, Florida. Responsible for design, installation, O&M, performance monitoring and reporting of mixed solvents in groundwater; using groundwater recovery and treatment (air stripping and carbon polishing) with reinjection into aquifer at a RCRA site under the direction of FDEP and US EPA Region IV.

Project Manager, Remediation Technologies Evaluation, Confidential Specialty Chemicals Company Facility, Tampa, Florida. Responsible for assessment of mixed solvents in groundwater and evaluation of remediation technologies at a RCRA site under the direction of FDEP and US EPA Region IV.

Project Manager, Remediation System Design and Installation, Confidential Specialty Chemicals Company Facility, Jacksonville, Florida. Responsible for design, installation, O&M, performance monitoring and reporting of the remediation of mixed solvents in groundwater, using groundwater recovery and treatment at a RCRA site under the direction of FDEP and US EPA Region IV.

Project Engineer, Landia Chemical Company, Lakeland, Florida. Responsible for preparation of the Remedial Action Work Plan and Remedial Design Report for the pesticide and metals impacted soil and groundwater at the Landia Chemical Site. Work directed by US EPA Region IV.

Project Engineer, Pepsi Bottling Group, Brooksville, Florida. Responsible for preparation of a Focused Feasibility Study for petroleum hydrocarbon impacted soil and

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groundwater at a distribution facility. The FFS considered several technologies including ART wells, air sparge coupled with soil vapor extraction; in situ chemical oxidation, in situ bioremediation, pump and treat, and thermal remedies. Work directed by FDEP.

Project Engineer, Cascade Landfill, City of Tallahassee. Responsible for preparation of the Remedial Design Work Plan for Cascade Landfill. Work directed by US EPA Region IV.

Project Engineer, Remedial Design Alternatives, Solutia, Inc., Gonzalez, Florida. Responsible for selection and design of remedial alternatives, including excavation and capping of landfilled waste, at a RCRA site under the direction of FDEP and US EPA Region IV.

Project Engineer, O&M and Performance Monitoring and Reporting, Sprague Electric Site, Longwood, Florida. Provided O&M and performance monitoring and reporting for the remediation of chlorinated solvents in groundwater at a CERCLA site. Work directed by FDEP and US EPA.

Project Engineer, Remedial Design, ConocoPhillips. Responsible for the design, installation, and/or upgrade of numerous petroleum sites for ConocoPhillips in Florida. Work directed by FDEP.

Project Engineer, Remedial Design, BP Remediation. Responsible for the design, installation, and/or upgrade of numerous petroleum sites for BP in Florida. Work directed by FDEP.

### Publications

Harms, Willard D., Jr., K. A. Taylor (aka VanLandingham), and B. S. Taylor, "HRC-Enhanced Reductive Dechlorination of Source TCE in an Unconfined Aquifer," Bioremediation and Phytoremediation of Chlorinated and Recalcitrant Compounds, edited by G. B. Wickramanayake, et al., Proceedings of the Second International

Conference on Remediation of Chlorinated and Recalcitrant Compounds, May 22-25, 2000 in Monterey, California, Battelle Press, Columbus, 2000.