

## **ENERGY SYMPOSIUM**

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### **REMEDIATION IN THE PETROLEUM INDUSTRY**

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**ABSTRACT:** The oil and gas industry is a dynamic field, with rapidly changing regulations on the state and federal levels. These regulatory changes have been particularly evident with the recent Marcellus Shale boom in Pennsylvania and neighboring states. Regulations drive the industry to mitigate, remediate, and/or litigate environmental issues that occur during field operations. This presentation broadly focuses on the types of remediation technologies available to the industry today, particularly as they relate to petroleum releases in soil and groundwater.

**ABOUT THE AUTHOR:** Mr. Kier received his B.S. in Environmental Science from Susquehanna University in Selinsgrove, PA, in 2000. That same year he began his career at ENSR International (now AECOM) in Langhorne, PA, where he specialized in remediation. In 2003, Mr. Kier joined Letterle & Associates, which is a family owned environmental consulting and remediation company specializing in petroleum remediation. In 2005, he became Office/Project Manager for Letterle's satellite office in Franklin, PA. Mr. Kier is the great, great, great grandson of Samuel Martin Kier, who was one of the pioneers of the American oil industry, having been the first person to refine crude oil by distillation.