Monitored Natural Attenuation Assessment and Focused Feasibility Study at Midwest Superfund Site

On behalf of two Fortune 100 clients, Erler & Kalinowski, Inc. ("EKI") is responsible for overall technical oversight at an active Superfund site in the Midwest. EKI closely coordinates a team of remedial contractors and consultants, and is responsible for budget negotiation, tracking, and documentation. Our services, including identifying cost-effective technical strategies, have helped add clear value to our clients' site management effort, resulting in present worth savings exceeding one-quarter billion dollars.

EKI led a comprehensive re-evaluation of a multi-layer, 500 gallon per minute groundwater extraction and treatment system that had operated for 15 years. EKI performed a comprehensive evaluation of natural attenuation parameters in site groundwater and demonstrated to EPA that significant biological degradation was occurring in the subsurface and that this degradation would be enhanced by shutdown of the groundwater extraction and treatment system. EKI then proposed a comprehensive revised remedy, which included monitored natural attenuation combined with the construction of a municipal water system extension and localized addition of supplemental electron donor to enhance ongoing biological degradation. To support the revised remedy, EKI prepared a CERCLA-consistent Focused Feasibility Study evaluating existing remedial technologies and their potential effectiveness, implementability, and cost at the project site.

Based on EKI's Focused Feasibility Study, EPA approved the initial implementation of the proposed remedy and the shutdown of the groundwater extraction and treatment system. The revised remedy is now undergoing final public review in preparation for the official amendment to the Record of Decision.

- **Comprehensive Reassessment of Pump-and-Treat Remedy Focused on Monitored Natural Attenuation**
- **Reassessment Led to EPA Approval of Pump-and-Treatment System Shutdown**
- **Preparation of CERCLA-consistent Focused Feasibility Study**
- **Technical Program Management of Multiple Consultants at Complex, Multi-Party Superfund Site**
- **Three-Dimensional Computer Model for Groundwater Recovery Design in Multi-Layer, Fractured Bedrock System**