

# onesky **SUCCESS** story

## **Pilot Testing and Remedial Design Services Newton County, Missouri**

An *Engineering News Record* (ENR) Top 10 environmental firm retained Onesky Engineering, Inc. to perform remedial pilot testing and preliminary remedial design services for this Superfund site on a former military installation located in southwestern Missouri.

### **Superfund site**

Listed on the National Priorities List (NPL), the Quince Road Area site in Neosho, Missouri, also known as the Pools Prairie Superfund Site, had been the subject of several investigations. Previous investigations yielded a list of identified and/or suspected site constituents of concern that included trichloroethene (TCE), 1,2-dichloroethene (DCE), carbon tetrachloride, and halocarbon 113.

### **Site-specific protocol**

Onesky Engineering, Inc. developed a site-specific pilot testing protocol to perform a series of soil vapor extraction tests utilizing several blower types. The firm also prepared

a site-specific health and safety plan.

To complete the testing, we deployed senior environmental technicians to the site with one of our mobile pilot testing/remediation trailers. Over the course of 120 hours, our team performed continuous pilot testing at more than ten extraction points across the site using regenerative blowers, positive displacement blowers, and rotary vane pumps. Onesky Engineering, Inc. staff collected all field sampling, system monitoring and operation, and field measurements. We also acted as laboratory liaison to ensure proper analysis using EPA Method TO 15.

### **Tools to move forward**

Upon receipt of the certified laboratory data from influent and effluent samples, Onesky Engineering, Inc. prepared a summary report detailing the results of the pilot testing program and providing preliminary design recommendations.

## **PROJECT HIGHLIGHTS**

### ***Pilot testing and remedial design services for a Superfund site***

- **Development of site-specific pilot testing protocol**
- **Development of site-specific health and safety plan**
- **Mobilization of field team**
- **120 hours of continuous pilot testing**
- **Collection of all field sampling, system monitoring and operation, and field measurements**
- **Preparation of summary report**



*(above) Dedicated professionals work round the clock  
(at left) Pilot test apparatus*

**Onesky**  
ENGINEERING, INC.

Custom-Crafted Environmental Solutions