

**BROWNFIELDS ASSESSMENT DECISION**  
**Kansas Department of Health and Environment**  
**Bureau of Environmental Remediation**

**SITE NAME:** Sac & Fox Museum Property BTA  
**ADDRESS:** 2<sup>nd</sup> & Main Streets  
**CITY /COUNTY:** Reserve/Brown County  
**REFER TO REPORT DATED:** December 28, 2010  
**REPORT TYPE:** Phase II Brownfields Targeted Assessment (BTA)  
**REPORT DEVELOPED BY:** Terracon

DECISION DISCUSSION AND RATIONALE

The Kansas Department of Health and Environment (KDHE) conducted a Phase II Brownfields Targeted Assessment (BTA) at Sac & Fox Museum property in Reserve, Kansas. The BTA was conducted for the "Sac & Fox Nation of Missouri in Kansas and Nebraska", to evaluate a property with environmental uncertainties that is being placed into a trust. A Recognized environmental condition (REC) was identified in the Phase I report as: petroleum associated with a historic filling station that was potentially located on the property. As such, a Phase II was conducted on the museum property.

The Phase II investigation consisted of collecting groundwater samples from four locations on the property. Based on the analytical results, Total Petroleum Hydrocarbon (TPH) Diesel Range Organics (DRO) were detected in one groundwater sample above the Tier 2 Residential Risk Based Level. TPH DRO was detected in downgradient sample GP-2 at 0.54 mg/L, which exceeded the 0.50 RSK. **It is recommended that hydrological conductivity testing be conducted at the site to evaluate the on-site aquifer for comparison to parameters established in BER Policy #BER-RS-045, "Considerations for Groundwater Use and Applying RSK Standards to Contaminated Groundwater."**

The conclusions and recommendations provided herein are based exclusively on the conditions identified through the Brownfields Assessment. Future contaminant releases on the subject property and/or future discovery of additional environmental impacts may warrant subsequent response not discussed in the BTA report or this document.