

Kansas Department of Health and Environment

Bureau of Environmental Remediation, Remedial Section

Voluntary Cleanup and Property Redevelopment Program



Loctite (Henkel Corporation)

Background:

Under various ownerships, a manufacturing facility has operated at 3255 Harvester Road in the Fairfax Industrial District of Kansas City, Kansas, since 1954. Historical and current manufacturing operations include the production of automotive sealants and adhesives, petroleum-based lubricants and hydraulic oil, rubber-based contact cement and weather stripping adhesives, and plastic cleaners. Several underground storage tanks were used to store petroleum product and other chemicals used in manufacturing. Loctite (now Henkel Corporation) removed 23 tanks in 1989, along with some petroleum contaminated soil, under KDHE supervision. A Phase II Environmental Site Assessment conducted in 1999 pursuant to sale of the facility showed that undifferentiated total petroleum hydrocarbons (TPH) remained in soil above KDHE Tier 2 cleanup standards and that 1,2-dichloroethane and arsenic (dissolved) in groundwater also exceeded KDHE Tier-2 standards.

Loctite entered the Voluntary Cleanup and Property Redevelopment Program (VCPRP) in 2001 to address the contamination. Investigations delineated the contamination and installed monitoring wells.



Solution:

Loctite prepared a Voluntary Cleanup Proposal in 2006 to excavate the remaining contaminated soil and to monitor volatile organic compounds (VOC) in groundwater. A Voluntary Cleanup Plan was approved by KDHE in 2008 following public notice. Excavation took place in 2008 and verification sampling confirmed that KDHE residential Tier 2 cleanup standards had been achieved. Semi-annual groundwater sampling showed that VOC levels remained below KDHE residential Tier 2 cleanup levels for two years. A No Further Action letter was signed by the Secretary on May 11, 2009, indicating that cleanup goals had been achieved.



Above and left: Excavation of contaminated soil for disposal.

Benefits:

- Approximately 361 tons of soil were removed and sent to an approved disposal facility.
- The removal of contaminated soil eliminated a source of contamination to groundwater. Groundwater contamination has attenuated to less than cleanup levels. Loctite (Henkel Corporation) has fulfilled its environmental responsibilities for past activities.