

# Kansas Department of Health and Environment

## Bureau of Environmental Remediation, Remedial Section

### State Water Plan Contamination Remediation Program



## Richardson Property

### Background:

The Richardson Property site is located three miles east of Hutchinson. Historically it had been used as an illegal dump, with leaking bulk oil tanks, drums of unidentified material and various household wastes littering the site. A citizen's complaint in May 2001 led to investigation by KDHE's South Central District office. The Reno County Health Department was advised of the household wastes and the site was referred to the Bureau of Environmental Remediation. A Preliminary Removal Site Assessment performed by KDHE's Site Assessment Program in 2001 identified petroleum sludge and petroleum-contaminated soils at the site, along with petroleum-contaminated ground water. At that time KDHE determined that the property owner was financially unable to address the problem, and the site was transferred to the State Water Plan Contamination Remediation Program (SWP) as an orphan site.



*Excavation of contaminated soil.*

### Solution:

The SWP initiated a phased Corrective Action Study (CAS) in June 2003. Results from the study indicated that soils at the site could be cleaned to non-residential standards with the excavation and removal of petroleum sludge and petroleum-contaminated soils. A ground water investigation at the site indicated that ground water, though above drinking water standards for 1,2,4-trimethylbenzene, was below nonresidential cleanup standards for the compound. Corrective Action was initiated in May 2004. Bulk storage tanks were emptied, crushed and disposed of at the Reno County Landfill. Approximately 800 cubic yards of sludge were stabilized with cement kiln dust on-site and approximately 1000 cubic yards of the stabilized sludge, along with contaminated soil, was disposed of at the Reno County Landfill. The excavated area was backfilled and reseeded with native grass.

### Benefits:

- Elimination of a public health hazard caused by the open dump.
- Removal of 800 cubic yards of sludge and 1,000 cubic yards of contaminated soil.
- Remediation of 1.3 acres to allow re-use of property for nonresidential purposes.



*Removal of debris.*