

# Kansas Department of Health and Environment

## Bureau of Environmental Remediation, Remedial Section

### State Water Plan Contamination Remediation Program



## North Flora Street Water Line Connection

### Background:

The North Flora Street Site is located in east central Wichita, Kansas, in Sedgwick County. The site was identified when tetrachloroethylene (PCE) was discovered in a private drinking water well. This information was conveyed to Kansas Department of Health and Environment by a local resident and subsequently referred to the State Water Plan Contamination Remediation Program (SWPCRP) in 2003. The site consists of two city blocks of houses that did not have connections to Wichita's public water supply system. KDHE completed an assessment at the site in January 2002. Based on these results, KDHE performed several additional sampling events of domestic drinking and lawn and garden wells in a five by five block area of concern. Analytical results from sampling efforts failed to identify a source area for the PCE contamination. PCE is suspected to be a carcinogen. Risk of cancer depends on concentration of contaminant and duration of exposure.

### Solution:

Initially residents with impacted wells were offered bottled water by KDHE to provide safe drinking water until additional sampling events were completed. Those residents with confirmed PCE in their drinking water wells were offered a connection to the Wichita public water supply to ensure a permanent drinking water supply. To be eligible for municipal water, residential drinking water well owners were required to sign an access agreement which stipulated that existing water supply wells would be disconnected from household water systems. KDHE/SWP paid for the initial capital costs including the extension of the water line up to area homes and installation of water meters at each residence.

In November 2004, KDHE installed water lines and meters to two residences, one along North Doris and one along Clara Street, to the City of Wichita Water Supply. A third residence refused to be connected to the city water supply.

### Benefits:

- **Two impacted residential well owners provided permanent with a safe drinking water source.**



*Map of residences connected to the Wichita Public Water Supply.*



*Extension of public water line to a residence.*