

Kansas Department of Health and Environment

Bureau of Environmental Remediation, Remedial Section

State Water Plan Contamination Remediation Program



Metzler Water Line Extension

Background:

The former Ace Services manufacturing facility is located on the east side of Colby, upgradient from several residential drinking water well along East 4th Street. During routine ground water monitoring activities for the Ace Services Superfund Site, analytical data for samples collected from private domestic and commercial wells on the east of Colby indicated several of these wells were impacted or threatened by hexavalent chromium. The State Water Plan was tasked with providing an alternative safe drinking water supply to this area to residents and employees along the East 4th Street corridor.

Solution:

On October 8, 2001, the Kansas Department of Health and Environment (KDHE) and the City of Colby signed a contract for the design, construction, operation and maintenance (O&M) of a municipal water line extension from the City of Colby to these residential and commercial properties. It was determined that a six inch diameter water line extension would be installed along East 4th Street to provide potable water to residential and commercial properties that are presently using private wells to meet water supply demands.



Six-inch line extending south from County Road and Highway 24 intersection through casing.



City tapping of 10 inch main.

Since hexavalent chromium was identified above drinking water standards, KDHE SWP provided bottled water to these residences until the water line could be installed. To be eligible for municipal water, residential and business property owners were required to sign an access agreement which stipulated that existing water supply wells must be disconnected from household and/or business water systems.

The final design for the water line was approved in March 2003. In September 2003, construction began on the water line.

Benefits:

- Provided safe drinking water for 18 residences and businesses.
- Provided bottled water for two residences during installation.