

Kansas Department of Health and Environment

Bureau of Environmental Remediation, Remedial Section

Voluntary Cleanup and Property Redevelopment Program



Dawson Brothers--Sheridan Street

Background:

In January 2005 KDHE's Bureau of Waste Management (BWM) conducted a Hazardous Waste Compliance Inspection at an electroplating facility located at 1845 S. Sheridan Street in Wichita, Kansas. Chromium was identified leaching through a wall of the building adjacent to where a minor release from the facility's dipping tanks occurred. A soil sample was collected outside, adjacent to the dipping tanks, and an analysis identified chromium impacting soil above KDHE's Residential Risk-based Standards for Kansas (RSK).

Dawson Brothers, Inc. (Dawson Brothers) subsequently applied and was accepted into the Voluntary Cleanup and Property Redevelopment Program (VCPRP) for the identified contamination.

Investigation:

In April 2005 Dawson Brothers conducted excavation activities to remove the chromium impacted soil. Approximately one cubic yard of soil was removed and disposed of in a landfill certified to accept hazardous waste. The building wall was subsequently sealed off to eliminate further migration of the contamination into the environment.

In order to fully evaluate the property and determine the potential existence of other sources of contamination,



View of Dawson Brothers, Inc., facility.

Dawson Brothers conducted investigation activities. In February 2008 a consultant hired by Dawson Brothers advanced seven borings into the subsurface to characterize the nature and extent of metals and potential volatile organic compounds (VOCs) contamination in soil and ground water. Several metals were detected in soil and ground water samples; however, all detections were below the RSK value. Although no VOCs were detected in soil, they were identified in ground water below their respective RSK values. The contamination was attributed to releases associated with an upgradient site currently being addressed through KDHE's State Cooperative Program.

Solution:

Given excavation activities addressed the identified soil contamination and the subsequent soil and ground water sampling did not identify significant levels of contamination, KDHE issued a "No Further Action" determination for the Dawson Brothers – Sheridan property in September 2008.

Benefits:

- One cubic yard of impacted soil was removed.
- The potential for future contamination was mitigated.
- Facility operations are ongoing without posing a risk to human health or the environment.



Sampling activities being conducted to evaluate soil and ground water quality at the Dawson Brothers, Inc., facility.