

# Kansas Department of Health and Environment

## Bureau of Environmental Remediation, Remedial Section

### Voluntary Cleanup and Property Redevelopment Program



## Metlcast Products, Inc.

### Background

The Metlcast Products, Inc., property consists of 2.8 acres and is located at 401 East Avenue B, Salina, Kansas. Since the 1960's, the property has mainly been used for industrial foundry operations. Metlcast Products has occupied the property since 1984, recycling scrap metal by bake and no-bake methods to cast a variety of steel products. Historically, a portion of the property was used as a landfill to dispose of metal cuttings that may have been coated in machine coolant and oil.

A Phase II Environmental Site Assessment was conducted in February 1997 and another in August 2004. Arsenic, chromium, lead, and total petroleum hydrocarbons (TPH) were found in subsurface soils within the vicinity of the onsite landfill. Metlcast Products applied to the Voluntary Cleanup and Property Redevelopment Program (VCPRP) in January 2005. A Voluntary Agreement was signed on March 8, 2005.



*The former landfill area now has an Environmental Use Control applied to it to prevent future exposure to contamination.*

### Investigation

A Voluntary Cleanup Investigation (VCI) was performed in January 2006 to delineate the area and volume of contamination. From 28 soil boring locations, 91 soil samples were collected and analyzed for metals and 45 soil samples were collected and analyzed for TPH. Arsenic, chromium, lead, and TPH were detected within the former landfill area at concentrations exceeding regulatory cleanup standards. No excessive concentrations of TPH or dissolved metals were found in a groundwater sample collected by KDHE.

### Solution

The Voluntary Cleanup Proposal was approved in November 2006, and over the next year a Voluntary Cleanup Plan was developed. Soil that exceeded non-residential Risk-based Standards for Kansas (RSK) levels was to be excavated and disposed of off-site. An Environmental Use Control would then be placed on the property to prevent future exposure to remaining contamination. During January and February 2009, seven areas were excavated. Confirmation sampling and KDHE verification sampling indicated that all contaminated soil exceeding non-residential RSK levels was removed. Clean backfill soil was brought in and the property was restored to the original grade.

An Environmental Use Control Agreement for the property was implemented on February 15, 2010. A No Further Action Determination with deed restrictions was issued on April 6, 2010.

### Benefits:

- **Site conditions were assessed and monitored to ensure human health and the environment were protected.**
- **2.8 acres of property were assessed and stabilized to prevent further exposure to contamination.**
- **An Environmental Use Control protects future owners and tenants of the site through an inspection plan that will protect human health and the environment in the long term.**