Project Profile

General Cable Company

Description: PCB Remediation

Location: St. Louis, Missouri

Contract Value: $50,000

Major Activities

- Vacu-blasting Pilot Study
- PCB Remediation

An inspection of this facility was conducted in which improper removal of PCB transformers resulted in PCB contamination being tracked throughout the facility, which encompasses approximately 285,000 square feet over four floors. PCB contamination was also present in the transformer yard.

A pilot test was conducted on 85,000 square feet to evaluate the effectiveness of remediation via vacu-blasting. This is a dry remedial technique which is preferred over wet techniques (e.g., wash and scrub) because it minimizes the spread of contamination and generates a waste form that is readily acceptable for disposal without further processing.

The results of the pilot test indicated that the proposed remedial method was able to meet the USEPA PCB Spill Cleanup Policy guidelines in a cost-effective manner. The results of the pilot test were presented in a report submitted to the USEPA in order to obtain approval to proceed with full-scale remediation throughout the remainder of the facility.

Specific responsibilities included:

- Collection of pre- and post-remediation wipe, concrete chip and core samples for analysis of PCBs;
- Development of a Health and Safety Plan;
- Air monitoring during remediation pilot test;
- Mobilization and management of field crews and equipment
- Waste handling, storage and arrangement for disposal; and
- Submission of Remediation Work Plan to the USEPA.