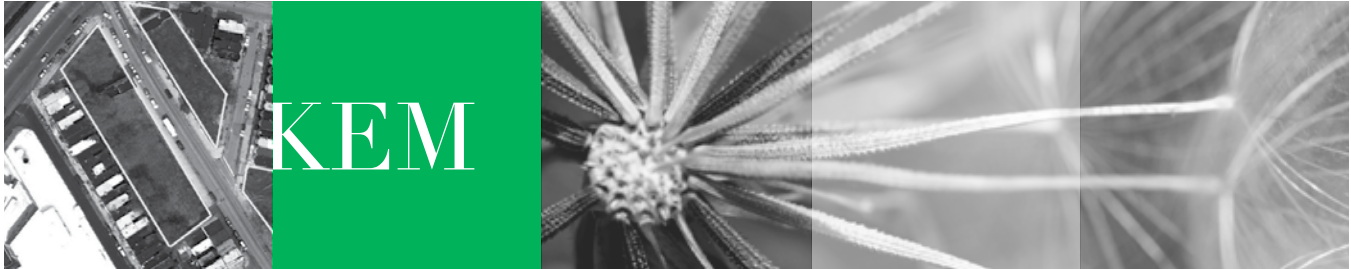


REDEVELOPMENT AUTHORITY OF PHILADELPHIA

Environmental Investigation



**KEATING
ENVIRONMENTAL
MANAGEMENT, INC.**

*Environmental,
Energy &
Sustainability
Solutions*

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Client

Redevelopment Authority of Philadelphia

Project Location

Philadelphia, PA

Elements of the Projects

- Phase II Site Assessment
- Geophysical Survey
- Subsurface Evaluation
- Hazardous Materials Building Survey

On behalf of the Redevelopment Authority of Philadelphia (RDA), **Keating Environmental Management, Inc. (KEM)** conducted a comprehensive Phase II Environmental Site Investigation of the 4400 Block of Germantown Avenue. On an expedited timeline, KEM investigated multiple separate parcels representing 42 residential lots.

The assessment was conducted in support of the RDA's implementation of the U.S. Department of Housing and Urban Development's Neighborhood Stabilization Program.

The project included a geophysical survey, investigation of subsurface anomalies and investigation of all the structures for the presence and condition of hazardous materials. As a result of this investigation, the RDA can redevelop this former Brownfield into a productive area of the community.



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The services provided by KEM for the RDA included:

- A Review of a previously conducted Phase I Environmental Site Assessment and historical documentation to identify recognized environmental conditions and develop an appropriate and cost-effective level of investigation.
- **Conducting a geophysical survey** utilizing an electromagnetic (EM) metal detector and ground-penetrating radar (GPR) to identify potential subsurface anomalies.
- Further investigating potential subsurface anomalies, such as underground storage tanks (USTs), through the installation of 20 soil borings. The samples were used to determine the origins of fill material and were tested for a range of contaminants associated with USTs.
- **Preparation of a hazardous material building survey** of two multi-story structures including bulk samples of suspected asbestos containing building materials (ACBMs) and the use of an X-ray fluorescence meter to detect the presence of lead-based paint. The presence of mold, PCB-containing light ballasts, and above-ground storage tanks was also evaluated.
- Preparation of a scope of work and estimated probable costs for a range of remedial actions depending on various future development scenarios for the site.



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