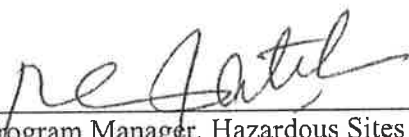


**RESPONSE JUSTIFICATION DOCUMENT
MIDFIELD VOCs HSCA SITE
HORSHAM TOWNSHIP, MONTGOMERY COUNTY
SE REGION**

DEP APPROVAL

Based on the facts and findings outlined in this Response Justification Document, further investigation or response action is deemed appropriate, pursuant to Section 501(a) of the Hazardous Sites Cleanup Act.



Regional Program Manager, Hazardous Sites Cleanup Program

4/26/13
Date



Regional Program Manager, Environmental Cleanup and Brownfields

4/26/13
Date

SUMMARY OF FACTS

The Midfield VOCs HSCA Site (Site) is one of groundwater contamination located along portions of Midfield Drive and Park Road in Horsham Township, Montgomery County (approximately situated at 40° 12' 52.04", -75° 10' 39.21"). The area is primarily residential with various recreational and commercial properties nearby. Recreational areas include a nearby golf course, and community park. Commercial properties include auto repair facilities, a furniture restoration business, a dry-cleaner, and an equipment rental company, among others. The Limekiln PCE HSCA Site is also located nearby. A map of the Site area is attached hereto.

In February, 2013, the Department was notified by a property owner on Midfield Drive that private sampling of well water at that location had detections of volatile organic compounds (VOCs). The Department subsequently sampled the well and confirmed the presence of 1,1-Dichloroethylene (1,1-DCE), and 1,2-Dichloroethane (1,2-DCA) above maximum contaminant levels (MCLs). Additionally, 1,1-Dichloroethane (1,1-DCA), and 1,1,1-Trichloroethane (1,1,1-TCA) were detected, but in amounts below their respective safe drinking water health standards. Prompted by these results, the Department conducted additional residential well sampling in the immediate area. To date, the Department has received results from 15 residential wells, 6 of which are affected by various VOCs including detections above MCLs of one or more of the following compounds: 1,1-DCE, 1,2-DCA and tetrachloroethylene (PCE).

All of the compounds identified above are listed as hazardous substances under 40 CFR Part 302.4. These VOCs pose a threat to human health when present in drinking water supplies. Health effects associated with exposure to these chemicals include: nervous system disorders, as well as kidney and/or liver disease.

RESPONSIBLE PERSONS

There are no identified responsible person(s) for this Site at this time.

FINDINGS AND AUTHORITY TO ACT

The Department has determined that 1,1-DCE, 1,2-DCA, and PCE have been released at the site, and are hazardous substances as defined by the Hazardous Sites Cleanup Act. The concentrations of these VOCs exceed both the statewide cleanup standards under the Land Recycling Act, as well as federal MCLs. Based on these findings, the Department has determined that further investigation or response is appropriate.

REFERENCES

1. Hazardous Site Cleanup Act, Act of October 18, 1988, P.L. 756, No. 108, 35 P.S. §6020.501(a)
2. Land Recycling and Environmental Remediation Standards Act, Act of May 19, 1995, P.L. 4, No. 2, 35 P.S. §6026.101 et seq., incorporated by reference at 25 Pa. Code §250.304
3. 40 CFR Part 302.4, Designation of Hazardous Substances

Attachment 1

Midfield VOCs HSCA Site Area Map

