

**NATIONAL PRIORITIES LIST (NPL)**

\*\*\*Final Site\*\*\*

September 2014

**BAGHURST DRIVE** | **Harleysville, Pennsylvania**  
| *Montgomery County* **Site Location:**

The site is located in a rural, residential area in Southeastern Pennsylvania about 35 miles northwest of Philadelphia.

 **Site History:**

The site consists of a ground water plume contaminated with volatile organic compounds (VOCs). The source of the VOCs is unknown. In 1999, the Montgomery County Health Department (MCHD) discovered the plume when they sampled residential wells in the area. The Pennsylvania Department of Environmental Protection (PADEP) immediately began supplying 27 residences with bottled drinking water and subsequently equipped the homes with carbon filtration systems. PADEP conducted an investigation to identify the source of the contamination but were unable to produce definitive documentation regarding the source. The site has contaminated 27 residential drinking water wells, including a common well and is also affecting an additional 13-15 residential wells that have trace amounts of contaminants.

 **Site Contamination/Contaminants:**

The plume is approximately 2,500 feet long and 750 feet wide and is contaminated with VOCs: 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethene (1,1-DCE), trichloroethylene (TCE), vinyl chloride and 1,4-dioxane. The carbon filtration systems are not effectively filtering out the 1,4-dioxane and therefore the PADEP is also providing residents whose wells have concentrations of 1,4-dioxane exceeding the state action levels with bottled water.

 **Potential Impacts on Surrounding Community/Environment:**

The site is known to have contaminated 27 residential drinking water wells, including a common well which serves 10 residences. There are also an additional 13-15 residential wells that have trace amounts of contaminants. Although ground water is the principal reason for listing, there also may be vapor intrusion issues since these houses are overlying a contaminated ground water plume.

 **Response Activities (to date):**

The EPA has performed no response actions at this site. PADEP has provided affected residences with carbon filtration systems and/or bottled water.

 **Need for NPL Listing:**

The PADEP referred the site to the EPA because the plume is affecting many residences and the carbon filtration systems are not effectively filtering out all contaminants. A permanent alternative water supply is necessary along with the remediation of the underlying plume. Other cleanup alternatives were evaluated, but are not viable at this time because a permanent alternate source of drinking water is not readily available. The EPA received a letter of support for placing this site on the NPL from the commonwealth of Pennsylvania.

*[The description of the site (release) is based on information available at the time the site was evaluated with the HRS. The description may change as additional information is gathered on the sources and extent of contamination. See 56 FR 5600, February 11, 1991, or subsequent FR notices.]*

For more information about the hazardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry (ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at <http://www.atsdr.cdc.gov/toxfaqs/index.asp> or by telephone at 1-888-42-ATSDR or 1-888-422-8737.