

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Meadowbrook Avenue Vapor Intrusion Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region III

**Subject:** POLREP #2  
Meadowbrook Avenue Vapor Intrusion Site  
  
Hatboro, PA

**To:**  
**From:** Kelley Chase, On-Scene Coordinator  
**Date:** 4/1/2015  
**Reporting Period:** 3/4/15 through 4/1/15

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	<b>Contract Number:</b>
<b>D.O. Number:</b>	<b>Action Memo Date:</b>
<b>Response Authority:</b> CERCLA	<b>Response Type:</b>
<b>Response Lead:</b> EPA	<b>Incident Category:</b> Removal Assessment
<b>NPL Status:</b> Non NPL	<b>Operable Unit:</b>
<b>Mobilization Date:</b>	<b>Start Date:</b> 2/2/2015
<b>Demob Date:</b>	<b>Completion Date:</b>
<b>CERCLIS ID:</b>	<b>RCRIS ID:</b>
<b>ERNS No.:</b>	<b>State Notification:</b>
<b>FPN#:</b>	<b>Reimbursable Account #:</b>

**1.1.1 Incident Category**

**1.1.2 Site Description**

EPA is conducting sampling to evaluate the potential for vapor intrusion at the Crooked Billet Elementary School. Given the school's relative proximity to the Raymark Superfund Site and potential sources of contamination in the surrounding area, Hatboro officials asked EPA to consider evaluating the school for VI as a precautionary measure.

EPA is coordinating with the Borough of Hatboro, the Hatboro-Horsham School District, the Pennsylvania Department of Environmental Protection (PADEP) and the Centers for Disease Control and Prevention (CDC)/Agency for Toxic Substances and Disease Registry (ATSDR).

Vapor intrusion (VI) is the term used to describe the migration of volatile chemicals from subsurface contaminated soils and groundwater into the indoor air spaces of overlying buildings through openings in the building foundation. Common sources of VI include petroleum products, dry cleaning solvents, and other industrial solvents and degreasers.

**1.1.2.1 Location**

The site is located in Hatboro, Montgomery County, Pennsylvania.

**1.1.2.2 Description of Threat**

Given the school's relative proximity to the Raymark Superfund Site and potential sources of contamination in the surrounding area, Hatboro officials asked EPA to consider evaluating the school for VI as a precautionary measure.

**1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results**

On February, 16, 2015, OSC Chase and representatives from EPA's Environmental Response Team (ERT) toured the Crooked Billet Elementary School with school personnel to identify sampling locations for evaluating the potential for VI at the school. EPA plans return to the school in March to collect sub-slab vapor, indoor air and ambient (outdoor) air samples to determine whether VI is occurring in the school, and if so, whether any of the chemicals detected present a potential health risk to students or staff.

**2. Current Activities**

**2.1 Operations Section**

**2.1.1 Narrative**

On March 11, 2015, representatives from the EPA, the Agency for Toxic Substances and Disease Registry (ATSDR) and the Hatboro-Horsham School District met with school faculty and later with parents to discuss EPA's plans to evaluate whether vapor intrusion is concern at the Crooked Billet Elementary School.

On March 12, 2015, EPA returned to the school to install sampling ports for upcoming sub-slab vapor sampling. OSC Chase and representatives from EPA's Environmental Response Team (ERT) oversaw the installation of sub-slab sampling ports by ERT's Scientific, Engineering, Response & Analytical Services (SERAS) contractor. The Director of Hatboro-Horsham School Operations and the Crooked Billet Facilities Coordinator were also on-site.

On March 14, 2015, EPA and SERAS returned to the school to set up Summa canisters to collect 24-hour samples of sub-slab vapor, crawl space air, indoor air and ambient (outdoor) air. The Director of Hatboro-Horsham School Operations and the Crooked Billet Facilities Coordinator were also on-site to oversee activities. A total of 37 Summa canisters were deployed to collect samples.

On March 15, 2015, EPA and SERAS returned to the school to pick up the Summa canisters. The samples were transported to EPA's SERAS contractor's laboratory in Edison, NJ.

**2.1.2 Response Actions to Date**

**2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)**

**2.1.4 Progress Metrics**

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

**2.2 Planning Section**

**2.2.1 Anticipated Activities**

**2.2.1.1 Planned Response Activities**

**2.2.1.2 Next Steps**

The Summa canister samples will be analyzed for the presence of volatile organic compounds. EPA will evaluate the results to determine whether VI is occurring in the school, and if so, whether any of the chemicals detected presents a potential health risk to students or staff.

**2.2.2 Issues**

**2.3 Logistics Section**

No information available at this time.

**2.4 Finance Section**

No information available at this time.

**2.5 Other Command Staff**

No information available at this time.

**3. Participating Entities**

**3.1 Unified Command**

**3.2 Cooperating Agencies**

Hatboro Borough  
Hatboro-Horsham School District  
Pennsylvania Department of Environmental Protection (PADEP)  
Centers for Disease Control and Prevention (CDC)/Agency for Toxic Substances and Disease Registry (ATSDR)

**4. Personnel On Site**

No information available at this time.

**5. Definition of Terms**

No information available at this time.

**6. Additional sources of information**

No information available at this time.

**7. Situational Reference Materials**

No information available at this time.