

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Butz Landfill Superfund Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region III

**Subject:** POLREP #3  
Final POLREP for Vapor Intrusion Removal Assessment  
Butz Landfill Superfund Site  
Reeders, PA

**To:**  
**From:** Ruth Scharr, OSC  
**Date:** 4/6/2015  
**Reporting Period:** March 2014 - February 2015

## 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> NPL	<b>Operable Unit:</b>
<b>Mobilization Date:</b>	<b>Start Date:</b>
<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

Removal Assessment for vapor intrusion

#### 1.1.2 Site Description

The site is a NPL Superfund site. The site remedy included the connection of a public water supply line and the installation and operation of a groundwater pump and treat system. When the Records of Decision for the Site were issued in 1990 and 1992, EPA did not routinely include the vapor intrusion pathway in the assessment of risks from potential exposure to site contaminants.

##### 1.1.2.1 Location

The Butz Landfill Superfund Site is located south of Camelback Mountain, along North Road in Jackson Township, Monroe County, in east-central Pennsylvania. The closest town or village to the site is Reeders which is about one mile south of the site.

##### 1.1.2.2 Description of Threat

Groundwater is contaminated with volatile organic compounds, primarily Trichloroethylene. Some homes are located within close proximity to the groundwater contaminant plume. There is the potential for exposure to volatile organic compounds in indoor air via the vapor intrusion pathway.

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

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

During the week of November 12, 2013, the EPA OSC and EPA ERT personnel were onsite to conduct vapor intrusion sampling at residences located near the contaminated groundwater plume. Subslab and indoor air samples and ambient air samples were collected. Six residences were sampled. A seventh home, which is a rental property, was to be sampled as well, however the property owner did not have the key to enter the property.

EPA ERT did monitoring of the homes using the TAGA Bus prior to placing the summa canisters. All TAGA MS/MS indoor air monitoring events targeted the following VOCs: tetrachloroethene (PCE), TCE, total dichloroethene (DCE) and vinyl chloride (VCL).

Tedlar bag samples were collected from the subslab ports and analyzed via the loop injection on the GC/MS in the TAGA laboratory on site. The target compounds for the Tedlar bags will be tetrachloroethene (PCE), trichloroethene (TCE), total-dichloroethene (DCE), vinyl chloride (VCL). No significant levels of TCE, PCE or 1,2 DCE were detected in the grab samples.

The March 2014 scope of work included the evaluation of sub-slab soil gas, crawl space or basement air, first floor indoor air and outdoor ambient air quality at residential units in the vicinity of the Site. Activities included cleaning out lifestyle products that may potentially interfere with the analysis of target compounds from seven residential units, installation of sub-slab soil gas probes at location that was not available during the first round, and analysis of sub-slab soil gas samples using Tedlar bags, indoor air monitoring using the Trace Atmospheric Gas Analyzer (TAGA) Mass Spectrometer/Mass (MS/MS), and collection of sub-slab soil gas, indoor air and outdoor ambient air samples using Summa Canisters over a 24-hour collection interval.

Results letters were mailed to property owners and tenants (where applicable). The results indicate that site-related contaminants in the shallow groundwater are not causing a vapor intrusion threat to indoor air quality and no removal action is required..

**2.1.2 Response Actions to Date**

Not applicable

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

Not applicable

**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**

**No more removal activities are anticipated.**

**2.2.2 Issues**

There were several property owners who did not wish to participate even though their homes are located near the contaminated plume.

**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**

No information available at this time.

**4. Personnel On Site**

EPA OSC, 2 EPA ERT Personnel and three contractor personnel.

**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.