

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Ravenswood PCE - RESTART - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region III

**Subject:** POLREP #6  
Progress  
Ravenswood PCE - RESTART  
C368  
Ravenswood, WV  
Latitude: 38.9516600 Longitude: -81.7616600

**To:** Francis Burns, US EPA R3  
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Response Center RRC, EPA  
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**From:** Michael Towle, On-Scene Coordinator

**Date:** 4/25/2015

**Reporting Period:** through 4/25/2015

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	C368	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	3/19/2015
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Time-Critical
<b>Response Lead:</b>	EPA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	4/13/2015	<b>Start Date:</b>	4/2/2015
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>	WVSFN0305428	<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

#### 1.1.1 Incident Category

This Site is a restart of a Removal Action at an NPL Site after a change in the scope of the Removal Action.

#### 1.1.2 Site Description

The Site includes an area of PCE-contaminated ground water affecting public water supply wells. After investigation activity by EPA Remedial Program, an area of highly contaminated soil and nearby contamination of indoor air is posing threats not anticipated in the selection of the remedy (ROD) for the Site issued in 2011. The EPA Removal Program has found the Site conditions to pose a threat warranting time-critical removal actions and has changed the scope, increased the ceiling, and approved exemptions from the statutory limits in order to restart removal actions completed by EPA in 2008.

##### 1.1.2.1 Location

The Ravenswood PCE Site is an area of contaminated ground water underlying the City of Ravenswood, Jackson County, West Virginia. The source area which is the subject of the present Removal Action is located near the intersection of Walnut Street and Washington behind buildings once housing a dry cleaning establishment.

##### 1.1.2.2 Description of Threat

The source area of contaminated soil is releasing PCE into the ground water which migrates to a public water supply. Although EPA is constructing a soil vapor extraction system to address the overall site threats under the Remedial Program (NPL), the magnitude of the contamination was not anticipated to require excavation activities. Additionally, a nearby intrusion of PCE vapor into a structure posing unacceptable risk to inhabitants was not anticipated. The Removal Action is limited to address a small area of highly contaminated soil and a nearby intrusion of vapor.

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

The Site has been the subject of numerous investigatory activities. In 2012, an area of highly contaminated

soil was identified in the subject source area as part of an investigation to support a Remedial Design. Additionally, an intrusion of PCE-contaminated vapor was identified nearby. The OSC relied upon a review of information generated by the EPA Remedial Program - specifically the 2012 Pre-Remedial Design Investigation and evaluation by a toxicologist of indoor air information - to complete a Removal Site Evaluation. The indoor air scenario results in a Hazard Quotient of 6.3. The Removal Site Evaluation was initiated February 20, 2015 and concluded March 19, 2015 with recommendation for removal action and approval of same. The Action Memorandum, signed March 19, 2015 contains a summary of analytical information collected at the Site beginning in 1989 and which was relied upon to demonstrate that the area of contaminated soil which is the subject of the Removal Action is likely a significant source of contamination to the wells. A Removal Action is needed to reduce the migration and mobility of the PCE and enhance the effectiveness of the selected Remedial Action.

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

See prior POLREPs for information up thru 4/23/15

#### 2.1.2 Response Actions to Date

On April 24, 2015, ERRS completed rough grading of the excavation area in preparation for installation of the AS/SVE wells and liner. ERRS marked the locations of the sewer line, storm water drains, water lines, and gas lines with colored paint. ERRS secured a metal plate atop a junction box for a sewer line that runs under the proposed location for the treatment trailer and marked it appropriately.

The City of Ravenswood continued installation of new water lines and decommissioning of the old water lines that were unearthed during excavation activities. In coordination with ERRS, the City agreed to deliver PVC fittings to the Site in order to repair a storm drain line that runs from the down spout of the structure located on the eastern side of the excavation area to a subsurface pipe at the northern end of the excavation area. City workers continue to investigate the location of additional water lines on Site that service the businesses along the eastern side of the Site.

ERRS completed decontamination of all heavy equipment on Site. ERRS relocated the southern section of the temporary fence to make it flush with the excavation area. ERRS staged the front end loader and back hoe at the entrance of the fence for demobilization from the Site.

Weight tickets were received for 11 of the 17 truckloads of non-hazardous waste that were transported to the Greene County LF in Ashland, KY. The total disposal volume of these 11 trucks was 281.11 tons. The weights of the loads delivered to the LF ranged from 20.61 to 30.49 tons, averaging 25.56 tons. Therefore, it is estimated that the total disposal volume of non-hazardous waste will be approximately 430 tons. This total volume will be updated following receipt of the remaining six weight tickets from the landfill.

The OSC continued coordination with Remedial contractors to assure that current Site conditions and excavation depths were known to contractors conducting the Remedial Action activity.

The EPA START contractor completed a Site sketch map that identified pipes, utilities, and Site features.

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

The Site is a Fund-Lead NPL Site. The OSC is unaware of any 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>
PCE	Soil	23.45	334504		LF
PCE	Soil	30.49	334505		LF
PCE	Soil	27.87	334506		LF
PCE	Soil	20.61	334507		LF
PCE	Soil	24.69	334508		LF
PCE	Soil	27.80	334509		LF
PCE	Soil	27.45	334510		LF
PCE	Soil	24.42	334511		LF
PCE	Soil	26.01	334512		LF
PCE	Soil	22.22	334515		LF
PCE	Soil	25.90	334516		LF

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

The OSC will continue to coordinate with the Remedial Program regarding the expected work. The Remedial Program was expecting an excavation of a certain type in order to support the upcoming Remedial Action. Remedial program contractors are expected on site next week.

#### 2.2.1.1 Planned Response Activities

Provide for carbon filter units to minimize indoor air issues in advance of more permanent measures.

#### 2.2.1.2 Next Steps

Initiate and complete backfill and restoration after completion of AS/SVE wells and subsurface liner by Remedial contractors.

### 2.2.2 Issues

There are a number of utilities in the excavation area. The source area is immediately behind several residences. The work area is extremely limited and the operations had to expand onto property not included within the access easements. The OSC arranged restoration of damages to the satisfaction of the affected owner.

The limitations of space, the slowed progress due to rain events and numerous unexpected utilities will cause the project to exceed its approved ceiling before completion. The OSC will coordinate with the Region regarding this issue.

## 2.3 Logistics Section

No information available at this time.

## 2.4 Finance Section

### 2.4.1 Narrative

An Action Memorandum was approved March 19, 2015. The Action restarts a removal action previously started by EPA in 2003 and completed in 2008. As such, the current action is a restart of a Removal Action at the Site.

The original (2003) Project Ceiling for the Ravenswood PCE Site was \$1347,800. Of this, an estimated \$832,363 was spent by 2008. See POLREP 31 and Final for the Ravenswood PCE Site, dated 9/12/08. The entire budget was not utilized.

The ceiling for the current action is estimated at \$224,650 (ERRS - 202,130; START - 22,520). At this date, the costs are not finalized, but estimated to rise above the ceiling before the Removal Action can be completed.

### Estimated Costs \*

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$202,130.00	\$0.00	\$202,130.00	100.00%
START	\$22,520.00	\$9,782.94	\$12,737.06	56.56%
<b>Intramural Costs</b>				
USEPA - Direct	\$12,000.00	\$0.00	\$12,000.00	100.00%
<b>Total Site Costs</b>				
	\$236,650.00	\$9,782.94	\$226,867.06	95.87%

\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

## 2.5 Other Command Staff

No information available at this time.

## 3. Participating Entities

### 3.1 Unified Command

### 3.2 Cooperating Agencies

City of Ravenswood  
Mountaineer Gas

**4. Personnel On Site**

EPA OSC - 1  
ERRS - 6  
START - 1

**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.

POLREP #6 Last Updated 4/27/2015