

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region III

Subject: POLREP #5
Progress
Ravenswood PCE - RESTART
C368
Ravenswood, WV
Latitude: 38.9516600 Longitude: -81.7616600

To: Francis Burns, US EPA R3
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Date: 4/23/2015

Reporting Period: 4/21/2015 through 4/23/2015

1. Introduction

1.1 Background

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

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 4/20/15

2.1.2 Response Actions to Date

On April 21, thru 23, 2015, ERRS contractors continued and completed excavation operations. The level of excavation along the eastern portion reached between 12 and 18 inches only in order to stay above gas lines. This area may need additional cover material to rise above prior grade.

The area along the center of the roadway was excavated to stay above sewer lines which run down the alley in a north-south direction. The depth of excavation ranges between 2 and 3 feet. AS/SVE wells will be installed in this area (basically along the line of the pre-existing alleyway road).

The southern area of the work area was excavated to a depth ranging from 1 to 2 feet to stay above sewer lines running north-south in the work area. A brick-lined sewer access was unearthed in the southeastern portion of the work area. This feature was found covered with pieces of metals and debris. A cover will be placed atop this structure, but it is located under the anticipated position of the treatment building.

The excavated soil was removed from the Site between 4/22 and 4/23 (Off-Site disposal could not occur on 4/21 due to heavy rains at the receiving facility). Twelve tri-axle loads of varying size were hauled on 4/22 and 5 were hauled on 4/23. The OSC will await weigh tickets to demonstrate the disposed volume. The soil was disposed at Greene County LF in Ashland KY after approval of CERCLA Off-Site Rule. The soil is a non-hazardous waste.

Tree stumps were removed excepting a huge stump presently holding up a retaining wall.

The City of Ravenswood continued efforts to locate mains and service connections in the work area and began to replace and repair. This work continues. Ravenswood will also address a sewer access which sticks up above the grade by lowering it and placing a new cover. ERRS is directed to make repairs to the sewer lines broken during excavation activities.

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

The OSC continued discussion about restoration activities with property owners.

The EPA START contractor is onsite assisting with monitoring. START is maintaining a Site sketch map to show pipes and utilities and 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				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
Extramural Costs				
ERRS - Cleanup Contractor	\$202,130.00	\$0.00	\$202,130.00	100.00%
TAT/START	\$22,520.00	\$0.00	\$22,520.00	100.00%
Intramural Costs				
USEPA - Direct	\$12,000.00	\$0.00	\$12,000.00	100.00%
Total Site Costs				
	\$236,650.00	\$0.00	\$236,650.00	100.00%

* 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

No information available at this time.

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.

POLREP #5 Last Updated 4/23/2015