

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region III

Subject: POLREP #8
Final POLREP
Ravenswood PCE - RESTART
C368
Ravenswood, WV
Latitude: 38.9516600 Longitude: -81.7616600

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Date: 8/11/2015

Reporting Period: 8/7/2015 through 8/26/2015

1. Introduction

1.1 Background

Site Number:	C368	Contract Number:	EP-S3-12-03
D.O. Number:	0012	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:	4/13/2015	Start Date:	4/2/2015
Demob Date:	7/24/2015	Completion Date:	7/24/2015
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 and consists of an area of contaminated soil, 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.

The City of Ravenswood has a population of about 3800 persons (2010). The City relies on ground water wells for its source of drinking water.

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.

After finding that the interior space containing elevated PCE concentrations was not currently occupied by a residential use scenario, the OSC, in consultation with R3 toxicologist, determined that installation of temporary measures to reduce interior VOC concentrations in advance of the pending Remedial Action was not necessary.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

See prior POLREPs for information regarding the Removal Action.

The Removal Action was initiated on April 2, 2015 when the OSC first mobilized an ERRS contractor to the Site for a Site review and planning for the full mobilization. On April 13, 2015 the OSC mobilized the ERRS contractors to the Site. Between April 13 and April 24, 2015, the ERRS contractor removed contaminated soil and staged this soil for disposal. Ultimately, 437.25 tons of contaminated soil was disposed at Republic Service's Green Valley Landfill in Ashland KY. During the Removal Action several drainage systems (e.g., sewers) and utilities (e.g., gas, water) were identified. Some of these were not previously known to local officials. The excavation actions were halted at depths above anticipated levels due to these utilities. Remaining contamination would need to be addressed as part of the Remedial Action.

Between April 25 and July 17, 2015, the OSC demobilized the ERRS contractors to allow Remedial Contractors to construct the air sparging / vapor extraction treatment system selected for the Site. The OSC and the ERRS contractors periodically mobilized to/from the Site to maintain coordination and assure appropriate backfill.

The OSC remobilized the ERRS between July 20 and July 24, 2015 to complete restoration activities inclusive repairs to steps and personal property caused during excavation activities. The OSC also directed ERRS to repair damages to one property caused by staging of equipment. Earth and stone were used to cover the construction area. The Site was demobilized on July 24, 2015. The OSC inspected all restoration actions on August 6, 2015. No further removal actions are expected.

The Removal Action is thus completed on July 24, 2015.

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

There are no further removal activities planned for this Site. The OSC inspected the Site and found that the roadway and other property areas affected the Removal Action were repaired in accordance with agreements. Personal property damaged during the action (stairs to buildings, storm drain, basketball hoop) were all repaired.

The OSC expects that the Site will continue to be monitored by EPA Remedial Program during the Remedial Action.

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 was estimated at \$224,650 (ERRS - 202,130; START - 22,520).

On April 30, 2015, an Action Memo was approved which increased the project ceiling for the current Removal Action. The amount assigned to the current action was increased from \$224,650 to \$337,130.

The costs reflected in this Final POLREP include contractor costs invoiced through July 2015.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$318,000.00	\$125,404.00	\$192,596.00	60.56%
START	\$10,979.00	\$9,782.94	\$1,196.06	10.89%
UNASSIGNED	\$8,151.00	\$0.00	\$8,151.00	100.00%
Intramural Costs				
USEPA - Direct	\$18,000.00	\$4,800.00	\$13,200.00	73.33%
Total Site Costs				
	\$355,130.00	\$139,986.94	\$215,143.06	60.58%

* 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 #8 Last Updated 8/26/2015