

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region III

Subject: POLREP #4
Progress
Ravenswood PCE - RESTART
C368
Ravenswood, WV
Latitude: 38.9516600 Longitude: -81.7616600

To: Francis Burns, US EPA R3
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Date: 4/20/2015

Reporting Period: 4/17/2015 thru 4/20/2015

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 4/16/15

2.1.2 Response Actions to Date

On April 17 and 18, 2015, ERRS contractors continued excavation operations. Operations continued along the eastern portion of the work area (alongside the building) and then beginning from north to south using heavy equipment. The OSC directed that the overall grade be lowered to a level no greater than approximately 30 inches due to numerous utility and pipe and other features in the work area. This decision will result in a condition not anticipated by remedial program.

The level of excavation along the eastern portion reached between 12 and 18 inches only in order to stay above gas lines. The eastern area was completed with variable amounts of soil removal to result in a condition where the gas lines are now fully exposed. A liner will be install at this level.

The City of Ravenswood continued efforts to locate mains and service connections in the work area. New service lines will be installed in the EPA excavation.

A sewer line was found running north-south through the work area. Sewer laterals were also encountered running through the work area. As such, effort to lower the excavation to assist Remedial in construction efforts can not be completed as expected. The OSC will coordinate with the RPM to establish conditions that will be helpful to the Remedial process without resulting in damage to utilities.

Excavated soils were staged in the southern half of the work area and covered at the end of each work day. The Site was prepared for predicted rain and high winds on 4/19 and 4/20 during which no excavation was planned. At this time the soil pile prevents further work. Disposal is scheduled to begin 4/21.

The area of shallow contaminated soil is within the southern half of the work area and will be encountered later in the week.

The OSC discussed restoration activities with property owners.

The EPA START contractor is onsite assisting with monitoring. START is maintaining a Site sketch map to show pipelines.

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>

2.2 Planning Section

2.2.1 Anticipated Activities

The OSC will need to coordinate with the Remedial Program regarding the expected work. The Remedial Program is 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

Excavate shallow soils in the work area and deeper obviously contaminated soils without compromising structures or utilities. Dispose excavated soils.

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

2.2.1.2 Next Steps

2.2.2 Issues

There are a number of utilities in the excavation area. The source area is also immediately behind several residences.

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).

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.