

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Louisa Acme Well Site - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region III

Subject: POLREP #10
Removal Action Restart - Initial Site Visit
Louisa Acme Well Site
A3RC
Louisa, VA
Latitude: 38.0129580 Longitude: -77.9855590

To: Christine Wagner, HSCD (3HS31)
Mr. Devlin Harris, VDEQ
Regional Response RRC, EPA
Fran Burns, EPA
Dr. Lilian Peake, VDH
Mr. Jeff Lake, Virginia Department of Health
Mr. Dean Rodgers, Louisa County Water Authority

From: Francisco J. Cruz, OSC

Date: 10/3/2013

Reporting Period: 09/10/2013 - 10/3/2013

1. Introduction

1.1 Background

Site Number:	A3RC	Contract Number:	
D.O. Number:		Action Memo Date:	9/10/2013
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	10/2/2013	Start Date:	10/2/2013
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	VDEQ
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Removal Action

1.1.2 Site Description

100-200 Area of Jefferson Highway, Louisa, Virginia.

1.1.2.1 Location

38.012958 N
-77.985559 W

The coordinates above are for the Acme Well. This is not considered the Site source, but is being used as a reference for documentation purposes.

1.1.2.2 Description of Threat

Tetrachloroethylene (perchloroethylene, "PCE", "perc" or tetrachlorethene)

Tetrachloroethylene is a manufactured chemical used for dry cleaning and metal degreasing. It is also known as perchloroethylene or "perk"

The EPA maximum contaminant level for the amount of tetrachloroethylene in a public water drinking supply is 5 micrograms tetrachloroethylene per liter of water (0.005 mg/L).

The Occupational Safety and Health Administration (OSHA) has set a limit of 100 parts per million in air for an 8-hour workday over a 40-hour work week.

The National Institute for Occupational Safety and Health (NIOSH) recommends that tetrachloroethylene be handled as a potential carcinogen and recommends that levels in the workplace air should be as low as possible.

For more information on tetrachloroethylene, please see the "DOCUMENTS" section of the main website.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

A removal Site evaluation as described in 40 CFR 300.410 is complete. A formal Site Inspection as described in 40 CFR 300.420 is currently underway. This assessment is being performed by VDEQ.

As noted in POLREP #9, the site would be re-evaluated if empty homes previously indicated were to be occupied. In August 2013, OSC Francisco J. Cruz was notified that a property owner was planning to re-occupy the home. A December 2012 sampling event indicated that PCE levels in the private well of the home were elevated and posed a human health threat if the water were to be consumed.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

As noted in POLREP #9, OSC Wagner noted that two unoccupied residences down gradient from the site were not included in the original Removal Action. If the residences were to be reoccupied, EPA would restart the Removal Action in order to mitigate the threat of PCE in the private drinking water well. In August 2013, OSC Cruz was notified that one of the two homes noted in POLREP #9 was in the process of being reoccupied. In November 2012, two drinking water samples were collected at the home. The validated data from the sampling event indicated PCE levels of 15 micrograms/liter. The Maximum Contaminant Level (MCL) for PCE is 5 micrograms/liter. Due to the level of contamination in the well, a Removal Action is necessary to mitigate the immediate threat of exposure to PCE from the private drinking water well.

On September 10, 2013, a memo entitled "Request for Exemption from the 12-Month Statutory Limit for a Removal Action at the Louisa Acme Well Site in Louisa, Louisa County, Virginia" ("Action Memo") was signed to exempt the current Removal Action from the 12-Month limit on conducting a Removal Action. The Action Memo calls for the home to be connected to the public water system in order to mitigate the immediate threat posed by PCE in the private drinking water well.

2.1.2 Response Actions to Date

Response actions are summarized in Polreps #1-#8.

On October 3, 2013, OSC Cruz met with the Louisa County Water Authority (LCWA), ERRS contractor, plumbing subcontractor, and the property owner to discuss the details of the water connection. The plumbing contractor evaluated the plumbing of the home, and made suggestions regarding where to run the water line to the home. ERRS is still working on obtaining a boring contractor in order to run the water line beneath the road. Once the boring contractor is on-board, ERRS and the LCWA will coordinate operations in order to conduct the initial work of running the waterline to allow for access to the home.

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

OSC Cruz will coordinate enforcement efforts with the appropriate personnel.

2.2 Planning Section

2.2.1 Anticipated Activities

Once a boring contractor is obtained, operations to run the waterline to the home will begin.

2.2.1.1 Planned Response Activities

The home will be connected to the public water system in order to mitigate the threat posed by PCE in the private drinking water well. Following the installation of the water line, restoration efforts on the property will begin.

2.2.2 Issues

There is still one home downgradient of the site that is unoccupied, but is likely to be impacted by PCE contamination. If EPA becomes aware of plans to reoccupy the home, an evaluation will be made to conduct a Removal Action at the home.

2.3 Logistics Section

Efforts are being made to obtain a boring contractor to conduct the initial running of the waterline under the road.

2.4 Finance Section

2.4.1 Narrative

The site has a Project Ceiling of \$250,000. Costs incurred will be updated at a later date.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

Louisa County Water Authority
Mr. Dean Rodgers, Director
Mr. Phil Bailey, Operations Manager

VDEQ
Devlin Harris - Site Assessment Manager
Richard Doucette - NRO Waste Program Manager

VDH
Dr. Maurenn Dempsey, VDH, Deputy Commissioner
Dr. Lilian Peake, VDH, Thomas Jefferson Health District
Mr. Jeff McDaniel, VDH, Thomas Jefferson Health District

G. Steven Rice, VDH, Louisa County

VDEM
Mr. Rob Phillips, HazMat Officer

EPA
Chris Wagner, OSC
Francisco Cruz, OSC
Trish Taylor, CIC
Carlyn Prisk, Cost Recovery

ATSDR
Lora Werner

3.2 Cooperating Agencies

LCWA
VDEQ
VDEM
VDH
ATSDR

4. Personnel On Site

EPA - 1
LCWA - 1
ERRS - 2 (including subcontractor)

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

Other documents are available under the "DOCUMENTS" section of the website.

7. Situational Reference Materials

No information available at this time.