

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region III

Subject: POLREP #11
Home Connected to Public Waterline - Field Activities Completed
Louisa Acme Well Site

Louisa, VA
Latitude: 38.0129580 Longitude: -77.9855590

To: Mr. Jeff Lake, Virginia Department of Health
Mr. Dean Rodgers, Louisa County Water Authority

From: Francisco J. Cruz, OSC

Date: 10/23/2013

Reporting Period: 10/18/2013 - 10/22/2013

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:	10/22/2013	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. In August 2013, OSC Francisco J. Cruz was notified that a previously vacant property was going to be occupied. 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

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.

On October 18, 2013, EPA and ERRS mobilized to the site to begin boring operations in order to run the public water line from across the street of the affected home. The Louisa County Water Authority (LCWA) and their contractors located the water line and dug a trench on the affected property in order to install the water meter. ERRS, through their subcontractor, bored a line under Jefferson Highway in order to connect the home to the waterline. Following the boring operations, LCWA ran a pipe from the public water line to the area near the water meter.

On October 21, 2013, ERRS, through their plumbing subcontractor, began running piping from the water meter to the house. A trench was dug between the two points to allow for access to the home and meter. Once the piping was installed, the trench was left open to allow for inspection by Louisa County authorities. Following the inspection, the trench was backfilled and the area was seeded to allow for grass growth.

On October 22, 2013, the piping work was completed, and the subcontractor completed restoration operations on the property.

2.1.2 Response Actions to Date

Previous response actions are summarized in Polreps #1-#8.

As of October 22, 2013, the affected home has access to the public water system.

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

No other field activities are anticipated at this time.

2.2.1.1 Planned Response Activities

No other response activities are anticipated at this time.

2.2.2 Issues

There are no issues at this time.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

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. Maureen 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

Francisco Cruz, OSC
Chris Wagner, OSC

3.2 Cooperating Agencies

LCWA
VDEQ
VDEM
VDH
ATSDR

4. Personnel On Site

EPA - 2
LCWA - 1 plus subcontractors
ERRS - 1 plus subcontractors

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.