

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region III

**Subject:** POLREP #9  
Completion of Removal Action Regarding Two Residential Wells  
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:** Christine Wagner, OSC

**Date:** 3/30/2012

**Reporting Period:** 9/7/11-3/30/12

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	A3RC	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	11/24/2010
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Time-Critical
<b>Response Lead:</b>	EPA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	11/26/2010	<b>Start Date:</b>	11/26/2010
<b>Demob Date:</b>	3/30/2011	<b>Completion Date:</b>	11/24/2011
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	VDEQ
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

#### 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.

## **2. Current Activities**

### **2.1 Operations Section**

#### **2.1.1 Narrative**

This polrep serves as the Completion Document for the Removal Action commenced on 11/26/10.

Per the National Contingency Plan 40 CFR 300.415(5), CERCLA fund-financed removal actions, other than those authorized under section 104(b) of CERCLA, shall be terminated after \$2 million has been obligated for the action or 12 months have elapsed from the date that removal activities begin on-site, unless the Site meets the definition of 40 CFR 300.415(5)(i, ii, or iii).

Within this 12 month period, EPA was able to confirm the presence of elevated levels of tetrachloroethylene in two residential wells which posed an imminent and substantial threat to public, health, welfare, and the environment. EPA performed the actions necessary to mitigate these threats.

#### **2.1.2 Response Actions to Date**

Response actions are summarized in Polreps #1-#8

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

All enforcement information has been forwarded to the EPA Region 3 Cost Recovery Section for evaluation.

## **2.2 Planning Section**

### **2.2.1 Anticipated Activities**

A Site Assessment is currently being performed by VDEQ. The OSC will continue to support these efforts as needed.

#### **2.2.1.1 Planned Response Activities**

The Virginia Department of Health, VDEQ, and EPA have identified two additional residences downstream of the Acme Well who may still use residential wells. However, these homes have been vacant over the course of the removal action.

EPA is working with VDH to continue to seek access to perform sampling. If access is received, EPA may perform additional sampling to determine if these properties require additional removal actions.

EPA also continues to coordinate with the Town of Louisa, Louisa County, VDEQ, and VDH. The Site has transitioned from the Emergency Response Program to the Site Assessment Program. Once the Site Assessment is complete, EPA will participate in a public meeting to present all findings to date.

#### **2.2.2 Issues**

**1. EPA is aware of two downstream residential properties who have drinking water wells. However, these homes have been unoccupied since EPA began its removal action. EPA is committed to continue pursuing access to properly sample these two residences to determine if elevated levels of tetrachloroethylene are present.**

This polrep finalizes the Removal Action which began in November of 2010 because the National Contingency Plan (40 CFR 300.415(5)) requires a removal action be completed within 12 months. However, if new information becomes available which requires further removal action, the OSC will perform a re-start of removal actions at the Site.

2. Two trip reports were prepared for the Site; however, the files are too large to post on this website. Copies have been provided to VDEQ, VDH, and the Town of Louisa. These documents are also available through a Freedom of Information Request.

3. If conditions at the Site change to require additional testing and sampling, EPA will perform the actions necessary to obtain additional information.

4. A Site Assessment is being performed by VDEQ to determine if the Site will be considered for the National Priorities List.

5. EPA OSC Wagner would like to recognize Mr. Brad Humphrey, Town of Louisa, Mr. Jeff McDaniel, VDH, and Mr. Devlin Harris, VDEQ, for their outstanding support throughout the Removal Action.

## **2.3 Logistics Section**

No outstanding logistical issues

#### **2.4 Finance Section**

No information available at this time.

#### **2.5 Other Command Staff**

##### **2.7.2 Community Involvement Coordinator**

Trish Taylor - EPA

### **3. Participating Entities**

#### **3.1 Unified Command**

Town of Louisa

Brad Humphrey - Asst Town Mgr

Louisa County Water Authority

Mr. Dean Rodgers, Director

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

DCLS

Mr. Greer Mills

VDEM

Mr. Rob Phillips, HazMat Officer

EPA

Chris Wagner, OSC

Todd Richardson OSC

Francisco Cruz, OSC

Trish Taylor, CIC

Victoria Binetti, Water Protection Division

Carlyn Prisk, Cost Recovery

Dawn Fulsher, Site Assessment Manager

ATSDR

Lora Werner

#### **3.2 Cooperating Agencies**

### **4. Personnel On Site**

N/A

### **5. Definition of Terms**

*NCP - National Contingency Plan 40 CFR 300*

### **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**

None