

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
West Vermont Drinking Water Contamination Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #7  
Progress Report  
West Vermont Drinking Water Contamination Site  
B5UJ  
Indianapolis, IN  
Latitude: 39.7720520 Longitude: -86.2294990

**To:** HQ EOC, U.S. EPA  
Brian Schlieger, U.S. EPA  
Jason El-Zein, U.S. EPA  
Sam Borries, U.S. EPA  
Jim Augustyn, U.S. EPA  
Jaime Brown, U.S. EPA  
Cecilia Moore, U.S. EPA  
Carolyn Bohlen, U.S. EPA  
Carol Ropski, U.S. EPA  
Heriberto Leon, U.S. EPA  
Charles Rodriguez, U.S. EPA  
Marcy Toney, U.S. EPA  
Susan Prout, U.S. EPA  
Valerie Mullins, U.S. EPA  
John Glover, U.S. EPA  
Nuria Muniz, U.S. EPA  
Shelly Heger, U.S. EPA  
Mark Johnson, ATSDR  
Valencia Darby, U.S. DOI  
Lindy Nelson, U.S. DOI  
Rex Osborn, IDEM  
Corey Webb, IDEM  
Carmen Anderson, IDEM  
Sarah Johanson, IDEM  
Pam Thevenow, MCPHD  
Adam Rickert, MCPHD  
Ann Mclver, Citizens Energy Group  
Jeff Miller, Citizens Energy Group  
Ryan Taylor, Citizens Energy Group

**From:** Shelly Lam, On-Scene Coordinator  
**Date:** 3/2/2016  
**Reporting Period:** November 21, 2015 - February 29, 2016

**1. Introduction**

**1.1 Background**

|                            |              |                                |                |
|----------------------------|--------------|--------------------------------|----------------|
| <b>Site Number:</b>        | B5UJ         | <b>Contract Number:</b>        | EPS50905       |
| <b>D.O. Number:</b>        | 167          | <b>Action Memo Date:</b>       | 5/13/2010      |
| <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>  | 11/8/2011    | <b>Start Date:</b>             | 11/8/2011      |
| <b>Demob Date:</b>         |              | <b>Completion Date:</b>        |                |
| <b>CERCLIS ID:</b>         | INN000510429 | <b>RCRIS ID:</b>               | INR000130385   |
| <b>ERNS No.:</b>           |              | <b>State Notification:</b>     |                |
| <b>FPN#:</b>               |              | <b>Reimbursable Account #:</b> |                |

**1.1.1 Incident Category**

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Incident Category:  
Groundwater plume site

**1.1.2 Site Description**

The following sections provide information on the site location, description of threat, and removal

assessment results.

#### 1.1.2.1 Location

The site is a Residential Area bounded by West Vermont Street to the south, Holt Road to the east, West Michigan Street to the north, and North Rybolt Avenue to the west in Indianapolis, Marion County, Indiana. The site consists of 23 homes that rely upon private drinking water wells as their only sources of water.

#### 1.1.2.2 Description of Threat

In 2009, the Marion County Public Health Department (MCPHD) identified homes in the West Vermont-Cossell Road neighborhood that obtained drinking water from private wells. MCPHD sampled the wells and detected vinyl chloride in drinking water at three residences at concentrations above the Removal Management Level (RML) (January 2015) of 1.9 micrograms per liter (µg/L) and Maximum Contaminant Level (MCL) of 2 µg/L in groundwater used as a drinking water source

Vinyl chloride is a hazardous substance, as defined by section 101(14) of CERCLA. According to the Agency for Toxic Substances and Disease Registry (ATSDR), the effects of drinking high levels of vinyl chloride are unknown. However, the U.S. Department of Health and Human Services has determined that vinyl chloride is a known carcinogen. In addition to ingestion of contaminated water, there is potential exposure via inhalation of vinyl chloride vapors from use of contaminated water for cooking, showering, and bathing. Breathing vinyl chloride for long periods of time can result in permanent liver damage, immune reactions, nerve damage, and liver cancer.

#### 1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See previous Pollution Reports (PolRep).

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

On May 1, 2015, the U.S. Environmental Protection Agency (EPA) approved an action memorandum to conduct a time-critical removal action to connect residential properties to a municipal drinking water supply; properly abandon private drinking water wells; conduct sub-slab and indoor air sampling at residential properties; perform vapor mitigation, as necessary; and transport and dispose off-site any hazardous substances, pollutants and contaminants at a CERCLA-approved disposal facility in accordance with U.S. EPA's Off-Site Rule (40 Code of Federal Regulations [CFR] § 300.440).

#### 2.1.2 Response Actions to Date

During the reporting period, EPA and its contractors conducted the following activities:

- Completed the connection of all homes to the municipal water system;
- Abandoned/closed all private drinking water wells;
- Completed plumbing connections and bladder tank and/or treatment system removals in all homes, except four;
- Sealed a sump in the basement of the home that had high trichloroethene (TCE) in indoor air; and
- Sampled 12 residential properties for vapor intrusion.

One property on West Vermont Street had two drinking water wells, one of which was reportedly out-of-service. On December 17, 2015, the resident reported water in his basement following well abandonment. EPA's Emergency and Rapid Response (ERRS) contractor observed that water and bentonite were present in the basement in a partially-finished bedroom. It appeared that water and bentonite entered the basement through an open pipe connected to the out-of-service well. EPA's contractors removed water and bentonite from the floor using a shop-vac. The crew used a carpet fan and whole-house high-capacity dehumidifier to remove additional moisture. Additionally, the ERRS contractor replaced the carpet and reimbursed the property owner for damage to electronic equipment.

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

Enforcement strategies are contained in a confidential Enforcement Addendum to the Action Memorandum.

#### 2.1.4 Progress Metrics

Progress metrics include waste generated during assessment activities and previous removal actions.

| <i>Waste Stream</i>   | <i>Medium</i> | <i>Quantity</i> | <i>Manifest #</i> | <i>Treatment</i> | <i>Disposal</i>                   |
|-----------------------|---------------|-----------------|-------------------|------------------|-----------------------------------|
| Non-hazardous liquids | Liquid        | 2,310 gallons   | 008531239JJK      | NA               | Apollos Water                     |
| Non-hazardous liquids | Liquid        | 1,400 pounds    | 012065653JJK      | NA               | EQIS Transfer & Processing        |
| Non-hazardous liquids | Liquid        | 2,500 pounds    | 098955            | NA               | EQIS Transfer & Processing        |
| Non-hazardous liquids | Liquid        | 3,200 pounds    | 098552            | NA               | EQIS Transfer & Processing        |
| Non-hazardous liquids | Liquid        | 165 gallons     | 014166998JJK      | NA               | Waste Management Twin Bridges RDF |

|                         |       |              |              |    |                                   |
|-------------------------|-------|--------------|--------------|----|-----------------------------------|
| Non-hazardous soil      | Solid | 1,150 pounds | 083035       | NA | EQIS Transfer & Processing        |
| Non-hazardous soil      | Solid | 9,600 pounds | 098692       | NA | EQIS Transfer & Processing        |
| Non-hazardous soil      | Solid | 5,600 pounds | 014166998JJK | NA | Waste Management Twin Bridges RDF |
| Non-hazardous soil      | Solid | 13 drums     | 12630        | NA | Southside Landfill                |
| Treatment system carbon | Solid | 420 pounds   | 11956975     | NA | Waste Management Twin Bridges RDF |

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

The following sections discuss planned response activities and next steps.

#### 2.2.1.1 Planned Response Activities

During the next reporting period, EPA will evaluate vapor intrusion results to determine if additional work is necessary. If sealing the basement sump prevents the migration of TCE into indoor air, EPA may not need to install a vapor mitigation system. Additionally, EPA will attempt to complete plumbing connections and bladder tank/treatment system removal in all homes.

#### 2.2.1.2 Next Steps

See above.

### 2.2.2 Issues

See Section 2.1.2.

## 2.3 Logistics Section

Not applicable (NA)

## 2.4 Finance Section

### 2.4.1 Narrative

The costs below represent contractor costs for this removal action only. Past costs are not represented.

#### Estimated Costs \*

|                           | Budgeted       | Total To Date | Remaining    | % Remaining |
|---------------------------|----------------|---------------|--------------|-------------|
| <b>Extramural Costs</b>   |                |               |              |             |
| ERRS - Cleanup Contractor | \$860,000.00   | \$660,013.24  | \$199,986.76 | 23.25%      |
| TAT/START                 | \$20,000.00    | \$18,606.22   | \$1,393.78   | 6.97%       |
| <b>Intramural Costs</b>   |                |               |              |             |
| USEPA - InDirect          | \$508,288.00   | \$0.00        | \$508,288.00 | 100.00%     |
| <b>Total Site Costs</b>   |                |               |              |             |
|                           | \$1,388,288.00 | \$678,619.46  | \$709,668.54 | 51.12%      |

\* 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

### 2.5.1 Safety Officer

EPA's On-Scene Coordinator (OSC) is the overall safety officer. The ERRS contractor has prepared a Health and Safety Plan for the site.

### 2.5.2 Liaison Officer

NA

### 2.5.3 Information Officer

See previous PolReps.

## 3. Participating Entities

### 3.1 Unified Command

NA

### 3.2 Cooperating Agencies

Indiana Department of Environmental Management  
MCPHD  
Citizens Energy Group

### 4. Personnel On Site

The following personnel were on-site during the reporting period:

| Role             | # Personnel |
|------------------|-------------|
| EPA OSC          | 1           |
| ERRS Contractor  | 1           |
| START Contractor | 1           |

### 5. Definition of Terms

|        |   |
|--------|---|
| µg/L   | micrograms per liter  |
| ATSDR  | Agency for Toxic Substances and Disease Registry                      |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| CFR    | Code of Federal Regulations   |
| EPA    | Environmental Protection Agency                                       |
| ERRS   | Emergency and Rapid Response Services                                 |
| MCL    | Maximum Contaminant Level   |
| MCPHD  | Marion County Public Health Department                                |
| NA     | Not applicable  |
| OSC    | On-Scene Coordinator  |
| PolRep | Pollution Report  |
| PRP    | Potentially Responsible Parties                                       |
| RML    | Removal Management Level  |
| START  | Superfund Technical Assessment and Response Team                      |
| TCE    | Trichloroethene   |

### 6. Additional sources of information

#### 6.1 Internet location of additional information/report

Refer to [www.epaosc.org/westvermont](http://www.epaosc.org/westvermont) or <http://epa.gov/region5/cleanup/cossellvermont/index.html> for additional information.

#### 6.2 Reporting Schedule

The OSC will submit reports periodically.

### 7. Situational Reference Materials

NA

POLREP #7 Last Updated 3/2/2016