

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Mansfield VOC Plume - Removal Polrep  
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** **POLREP #1**  
**Initial**  
**Mansfield VOC Plume**  
**C5R1**  
**Mansfield, OH**  
**Latitude: 40.7562799 Longitude: -82.4890930**

**To:**  
**From:** Elizabeth Nightingale, OSC  
**Date:** 7/10/2014  
**Reporting Period:** 7/2/14-7/10/14

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	C5R1	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Emergency
<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>	7/2/2014	<b>Start Date:</b>	7/2/2014
<b>Demob Date:</b>		<b>Completion Date:</b>	7/10/2014
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

**1.1.1 Incident Category**

Emergency Response

**1.1.2 Site Description**

A volatile organic carbon (VOC) / trichloroethylene (TCE) contaminated plume was discovered in the vicinity of Bahl Avenue and Erhart Drive in Mansfield, Ohio. The area includes residential homes, commercial buildings, and a school.

The approximate boundaries of the site are the roll-off staging area along Park Avenue East to the north, Abri Lane to the east, Hickory Lane to the south and Martha Avenue to the west. A single family residential neighborhood surrounds the facility. The site includes the area over the TCE-contaminated plume.

**1.1.2.1 Location**

The site is located within Mansfield, Ohio.

**1.1.2.2 Description of Threat**

TCE was initially detected during regular monitoring of the public water supply well for the daycare/school. In 2012, TCE levels exceeded the maximum contaminant level (MCL) for TCE for the first time. Agencies including Ohio Department of Health (ODH), Richmond Public Health Department (MORCHD) and Ohio Environmental Protection Agency (Ohio EPA) sampled 52 private wells in the vicinity of the school and identified 9 with TCE above the MCL. TCE concentrations as high as 10.4 ppb were detected.

ODH and MORCHD issued a recommendation that residents with VOC levels above the MCL stop using their wells as a drinking water supply, use bottled water for drinking and cooking and take short showers. MORCHD contacted EPA for additional assistance.

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

EPA conducted a site assessment, including investigation of VOC contamination of groundwater, soil, soil gas, and sub-slab.

EPA detected TCE levels in soil and soil gas that exceeded applicable action levels, but levels in sub slab and indoor air did not exceed applicable action levels. In soil gas, TCE concentrations ranged up to 66 ppbv; Benzene ranged up to 0.98 ppbv. In sub-surface soil TCE concentrations ranged up to 240 mg/kg; Vinyl chloride ranged up to 0.097 mg/kg.

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

On July 2, 2014, EPA responded to the request for assistance from MORCHD with an emergency response action to address the detected TCE contamination above the MCL in drinking water wells. On July 2nd, EPA contacted each property and offered to provide bottled water to affected properties. As of July 10, EPA has successfully reached 7 of the 10 properties and is providing bottled water to six of those properties. The seventh resident is considering whether to take bottled water. Of the 3 remaining properties, 1 appeared to be vacant and 2 appeared to be occupied. Efforts to reach the remaining properties will continue.

#### 2.1.2 Response Actions to Date

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

Available evidence indicates that a local transmission shop is the source of the TCE plume. A combined 104(e)/General Notice Letter was issued to this PRP. The PRP responded, and indicated that he is unable to fund necessary response actions.

#### 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

##### 2.2.1.1 Planned Response Activities

EPA is currently planning a time-critical removal action to take further action to address contamination at this site.

##### 2.2.1.2 Next Steps

We anticipate proposing a time critical removal action in the near future.

#### 2.2.2 Issues

To date, EPA has attempted to contact but has been unable to reach residents at 3 properties that have had TCE detected in their well water at levels above the MCL. One of these homes appears to be vacant, and the other two appear to be occupied. EPA will continue to attempt to reach these residents, and offer to provide bottled water.

### 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

#### 3.2 Cooperating Agencies

ODH  
Ohio EPA  
MORCHD  
ATSDR  
City of Mansfield

## 4. Personnel On Site

7/2/14

EPA- 1  
Richland Public Health Dept -1  
ERRS - 1  
Culligen - 2

## 5. Definition of Terms

ATSDR    Agency for Toxic Substances and Disease Registry  
BZ        Breathing Zone  
CERCLA   Comprehensive Environmental Response, Compensation, and Liability Act

CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
DNR	Department of Natural Resources
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ERRS	Emergency and Rapid Response Service
MCL	maximum contaminant level
MORCHD	Richland Public Health Department
NCP	National Oil and Hazardous Substance Pollution Contingency Plan
NOAA	National Oceanic and Atmospheric Administration
NPL	National Priorities List
NRC	National Response Center
Ohio EPA	Ohio Environmental Protection Agency
OSC	On Scene Coordinator
PPE	Personal Protective Equipment
PPM	Parts per million
RCRIS	Resource Conservation and Recovery Act Information System
RP	Responsible Party
RRT	Regional Response Team
START	Superfund Technical Assessment and Response Team
TCE	Trichloroethylene
US FWS	United States Fish and Wildlife Service
USCG	United States Coast Guard
VOC	Volatile Organic Compound

## **6. Additional sources of information**

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

[www.epaosoc.org/mansfieldvoc](http://www.epaosoc.org/mansfieldvoc)

### **6.2 Reporting Schedule**

POLREPs will be issued periodically as new information becomes available.

POLREPs will be issued on regular schedule after the start of time critical removal action activities.

## **7. Situational Reference Materials**

No information available at this time.