

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: Mark Johnson, ATSDR
Valencia Darby, Department of Interior
Todd Goeks, NOAA
Craig Butler, Ohio EPA
Wayne Babcock, U.S. Department of Interior
Robert Burr, U.S. Department of Interior
Carolyn Bohlen, U.S. EPA
Sam Borries, U.S. EPA
Yolanda Bouchee-Cureton, U.S. EPA
Mark Durno, U.S. EPA
Jason El-Zein, U.S. EPA
HQ EOC, U.S. EPA
Charlie Gebien, U.S. EPA
John Glover, U.S. EPA
Matt Mankowski, U.S. EPA
Mike Ribordy, U.S. EPA
Carol Ropski, U.S. EPA
Annette Trowbridge, U.S. Fish & Wildlife
Jodi Billman-Kotsko, Ohio EPA
Jim Augustyn, U.S. EPA

From: Elizabeth Nightingale, OSC

Date: 7/10/2014

Reporting Period: 7/2/14-7/10/14

1. Introduction

1.1 Background

Site Number:	C5R1	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	7/2/2014	Start Date:	7/2/2014
Demob Date:		Completion Date:	7/10/2014
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

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

2.4.1 Narrative

On July 2, 2014, OSC Nightingale used her warrant authority to initiate an emergency task order for \$25,000 to provide bottled water to properties at this site with TCE levels that have tested above the MCL. Costs to date are estimated below through July 10, 2014.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining

Extramural Costs				
ERRS - Cleanup Contractor	\$25,000.00	\$1,615.00	\$23,385.00	93.54%
Intramural Costs				
Total Site Costs	\$25,000.00	\$1,615.00	\$23,385.00	93.54%

* 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

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.epaosc.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.

POLREP #1 Last Updated 4/21/2016