

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Unity Ground Water - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #3
Unity Ground Water
C53Y
Unity, WI

To: Sam Borries, U.S. EPA
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Date: 12/4/2015

Reporting Period: December 13 2015 to December 4 2015

1. Introduction

1.1 Background

Site Number:	C53Y	Contract Number:	EP-S5-08-02
D.O. Number:	0161	Action Memo Date:	9/24/2015
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	11/2/2015	Start Date:	11/2/2015
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time Critical Removal Action

1.1.2 Site Description

The Unity Ground Water Site is located in the Village of Unity and includes the 16 affected private wells that have been sampled and contaminated with chlorinated solvents near or above the Removal Management Levels (RMLs). Sampling has determined the source of the ground water contamination to be the area currently occupied by the Unity Auto Mart located at 102 North Front Street in Unity, Wisconsin.

1.1.2.1 Location

The Village of Unity is split by the county line which runs along Front Street (Highway 13). Part of Unity is in Clark County and part of Unity is in Marathon County (Attachment 1). The Site is the current contaminated ground water plume as defined by contaminated residential wells, and is bordered to the west by East Washington Street, to the north by Taylor Street, to the east by Russell Street, and to the south by East Wells Street. The Village of Unity is allowing the use of the treatment plant north of town and the village parking lot and maintenance building.

1.1.2.2 Description of Threat

A release of hazardous substances is present at the Site due to the presence of chlorinated solvents including PCE, TCE, 1, 2 cis DCE and VC in the soil and the drinking water. The hazardous substances have migrated from the suspected source and have contaminated the drinking water aquifer that is used by the residents of Unity for their private drinking water source.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See Final Site Investigation Plan listed in Document Section

2. Current Activities

2.1 Operations Section

Carbon Units were changed out with Maher Water Corp., and a licensed plumber from Chets Plumbing Service on November 4-5, 2015. Nine systems were serviced with new carbon filters and sediment filters were changed, and the water softeners were re-set to alarm in one year for the next scheduled change out in 2016. The carbon units had been sampled the week of Nov 6th and results were received and all post treatment samples were non-detect for Volatile Organic Compounds (VOC's). One additional carbon unit at the former Unity Quick mart was sampled on December 3.

Six residential well samples were collected the first week of November. Additional residential samples were collected the week of November 16 and the first week of December 6. Five residential wells remain to be sampled. Data is being received, tabulated and will be placed on maps.

The carbon system was sampled at the Unity Quick Mart on December 3 2015.

The installation of 13 monitoring wells was completed on December 4, 2015. The wells have all been developed except 8D which will be developed today (Dec 4 2015). Monitoring wells will be bailed and sampled Dec 4- 6 and samples will be shipped to CT laboratories in Baraboo Wi.

Well locations and elevations will be surveyed December 4, 2015.

Drilling rigs, equipment and personnel will be demobilized Dec 4, 2015.

Sample residential carbon units (Dec 6)

Dispose of roll off box of soil (Dec 6)

Ship samples to lab (Dec 7)

Demobe personnel and equipment (Dec 7)

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

See the Final Site Investigation Plan and Enforcement Confidential Section in the Action Memo.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Water from drilling operations	water	4,500 gals		on site carbon treatment	
Soil and Mud	soil	45 tons		1 box staged on site, 1 disposed of 12/3/15	waiting in profile approval at Waste Management

2.2 Planning Section

2.2.1 Anticipated Activities

Completed Installation of monitoring wells. Develop wells. Sample Wells. Conduct geophysical work on wells using USEPA gamma logger. Treat and discharge water being generated by drilling and development efforts. Remove soil from drums and consolidate in roll off box. Two roll off boxes of soil shipped for disposal. One additional box will be shipped on Dec 7.

2.2.1.1 Planned Response Activities

Decon and Demobe drilling equipment and rigs (Dec 4).

Sample and complete log wells. Sample an additional 5 residential wells in Unity to assess potential movement of the plume.

Sample residential carbon treatment systems (Dec 6)

Demobe crew (Dec 7)

2.2.1.2 Next Steps

Sample residential wells. Sample carbon treatment systems. Sample Monitoring Wells. Survey monitoring wells and measure depth to water. Prepare potentiometric surface maps showing groundwater gradients, and interpret data to determine extent of the ground water plume.

Sample residential carbon systems

Meet with Village of Unity to discuss alternate water supply systems.

Prepare maps with Data, groundwater flows and geologic cross sections

Plan public meeting to inform the community in February of 2016.

2.2.2 Issues

None

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.4.1 Narrative

The project ceilings are all listed on the action memo signed on 9/24/15

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$338,926.00	\$258,192.00	\$80,734.00	23.82%
TAT/START	\$30,000.00	\$15,750.00	\$14,250.00	47.50%
Intramural Costs				
USEPA - Direct	\$7,500.00	\$7,250.00	\$250.00	3.33%
Total Site Costs				
	\$376,426.00	\$281,192.00	\$95,234.00	25.30%

* 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

Health and Safety Plan was signed and is on site. Tale gate safety meetings are held each morning at 0730.

No reported safety issues or accidents

2.5.2 Liaison Officer

NA

2.5.3 Information Officer

No press officer or press inquiries.

3. Participating Entities

3.1 Unified Command

NA

3.2 Cooperating Agencies

Wisconsin Department of Natural Resources

Village of Unity

Wisconsin Department of Public Health

Clark and Marathon Public Health

ATSDR

4. Personnel On Site

3 EQ personnel

1 USEPA

1 WDNR

1 Tetra Tech Start

5 Soils Engineering Inc (Drilling Subcontractor)

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.

POLREP #3 Last Updated 12/4/2015