

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Compass Plaza Well TCE Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VII

Subject: POLREP #4
Progress
Compass Plaza Well TCE Site
A7W2
Rogersville, MO
Latitude: 37.1169950 Longitude: -93.0557343

To:
From: Doug Ferguson, OSC
Date: 8/6/2012
Reporting Period: 6/7/11-8/6/12

1. Introduction

1.1 Background

Site Number:	A7W2	Contract Number:	
D.O. Number:		Action Memo Date:	7/21/2010
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	NPL	Operable Unit:	
Mobilization Date:	8/16/2010	Start Date:	8/16/2010
Demob Date:		Completion Date:	
CERCLIS ID:	MON000706143	RCRIS ID:	
ERNS No.:		State Notification:	MDNR
FPN#:		Reimbursable Account #:	

1.1.1 Site Description

In March 2010, the Missouri Department of Natural Resources (MDNR) Public Drinking Water Branch (PDWB) found trichloroethylene (TCE) in two non-community wells and an irrigation well on the western edge of Rogersville, Missouri. MDNR's Superfund Section initiated a combined Preliminary Assessment/Site Investigation (PA/SI) integrated Removal Site Evaluation (RSE) on March 24, 2010. Initial sampling events found 13 of the 100 wells sampled have detectable concentrations of TCE. Five drinking water wells within that sampling group have TCE concentrations above the maximum contaminant level (MCL) of 5 parts per billion (ppb). The source of the TCE release is unknown at this time. MDNR requested the EPA provide an alternate water supply to households drinking contaminated water. The EPA plans to continue the well water and source assessment work at the site.

The week of August 16, 2010, the EPA installed five water treatment systems in private residences with TCE concentrations above the MCL. Analytical results of post treatment water samples indicate the systems are effective in removing TCE. Sampling to identify other impacted wells found one additional drinking water well with TCE, but the TCE concentration was below the MCL.

During the week of December 13, 2010, the EPA in cooperation with MDNR, Greene County Resource Management and the Natural Resource Conservation Service (NRCS) plugged a well with high concentrations of TCE to protect groundwater resources. These same agencies also oversaw the construction of a new drinking water well at the same location. No TCE was detected in the new well. Also during this week, 65 well water samples were collected from previously unsampled wells and wells where TCE was previously detected. All treatment systems are effectively removing TCE from the groundwater. One additional well was found to have TCE below the MCL. This well is located in the same general area as wells previously found to have TCE contamination.

The EPA has returned to the site numerous times to sample wells in the area. Currently, there have not been any additional detections of TCE other than in the wells where TCE was originally detected.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

The week of August 16, 2010, the EPA installed five water treatment systems in private residences with TCE concentrations above the MCL. Analytical results of post treatment water samples indicate the

systems are effective in removing TCE. Sampling to identify other impacted wells found one additional drinking water well with TCE, but the TCE concentration was below the MCL.

During the week of October 4, 2010, the EPA sampled 51 private drinking water wells. There were no detections of TCE in these samples.

During the week of December 13, 2010, the EPA in cooperation with MDNR, Greene County Resource Management and the Natural Resource Conservation Service (NRCS) plugged a well with high concentrations of TCE to protect groundwater resources. These same agencies also oversaw the construction of a new drinking water well at the same location. No TCE was detected in the new well. Also during this week, 65 well water samples were collected from previously unsampled wells and wells where TCE was previously detected. All treatment systems are effectively removing TCE from the groundwater. One additional well was found to have TCE below the MCL. This well is located in the same general area as wells previously found to have TCE contamination.

The EPA sampled 25 wells the week of February 21, 2011. No new wells were found to have detectable concentrations of TCE.

The EPA sampled 45 private drinking water wells the week of May 9, 2011. No new detections of TCE were found in these samples. The EPA also collected 13 soil samples in an effort to identify a source for the TCE. No detections of TCE were found in these soil samples.

The EPA sampled 54 private drinking water wells the week of July 11, 2011. No new detections of TCE were found in these samples.

The EPA sampled 20 private drinking water wells the week of September 26, 2011. No new wells were found to contain TCE.

The EPA sampled 43 private wells the week of November 14, 2011. No new wells were found to contain TCE.

The EPA sampled 50 private wells and springs the week of January 23, 2012. None of the wells or springs were found to contain TCE.

The EPA sampled 75 private wells the week ending March 2, 2012. None of the wells were found to contain TCE.

The EPA sampled 72 private wells the week ending May 4, 2012. None of the wells were found to contain TCE.

A dye trace study was begun in January 2012. Results of the study will be available in a few months.

The U.S. Environmental Protection Agency held a Public Availability Session Wednesday, November 9, 2011, from 6 p.m. until 9 p.m. at the City Safe Room on Basin Street. Representatives from the EPA, the Missouri Department of Health and Senior Services, the Missouri Department of Natural Resources (MDNR), and the Agency for Toxic Substances and Disease Registry answered many questions from residents about the contamination, the Superfund process, and other concerns. Presentations from the meeting are posted in the document section of this website.

The EPA plans to continue sampling private drinking water wells at no cost to the well owner. Treatment systems will be installed at no cost to the property owner in wells with concentrations of TCE above the MCL. Call Doug Ferguson at (913) 551-7221 or e-mail ferguson.doug@epa.gov if you are interested in having your well sampled. Please have details regarding the well construction (well depth, casing depth, pump depth, date of construction, etc.) available when you call.

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

The source of the contamination has not been determined, but sampling efforts to find the source will continue.

2.1.4 Progress Metrics

Residential Drinking Water Well Sampling					
<i>Wells Sampled</i>	<i>TCE Detections</i>	<i>Wells Above MCL</i>	<i>Wells Left to Sample</i>		
457	14	5	100		

2.2 Planning Section

2.2.1 Anticipated Activities

The EPA will continue to sample wells in the area. To date, about 450 of the 557 wells within a four mile radius of the initial area of detection have been sampled.

2.2.1.1 Planned Response Activities

The EPA will continue to install water treatment systems on residential drinking water wells with concentrations of TCE that exceed the MCL.

2.2.1.2 Next Steps

This was placed on the National Priorities List (NPL) March 15, 2012. Tonya Howell is the Remedial Project Manager for the site.

2.2.2 Issues

The feasibility of extending municipal water lines to residences with TCE concentrations exceeding the MCL is being studied.

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

2.5.1 Safety Officer

2.6 Liaison Officer

2.7 Information Officer

2.7.1 Public Information Officer

Ben Wahsburn

2.7.2 Community Involvement Coordinator

Ben Washburn

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

Missouri Department of Natural Resources
Greene County
Agency for Toxic Substances and Disease Registry

4. Personnel On Site

Emergency Response and Removal Services (ERRS) Contractor Response Manager Dave Brinkmeyer
Superfund Technical Assistance and Response Team (START) Contractor Project Manager Tom Scroggins
Greene County Resource Management-Danny Tavares
Plumbing Contractor
Well Plugging Contractor
Well Drilling Contractor

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

<http://www.dnr.mo.gov/env/hwp/sfund/rogersville.htm>

6.2 Reporting Schedule

7. Situational Reference Materials

No information available at this time.