

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
PCE/TCE Northeast Contamination - Removal Polrep  
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region VII

**Subject:** POLREP #1  
Initial  
PCE/TCE Northeast Contamination  
A7T6  
York, NE  
Latitude: 40.8868680 Longitude: -97.5929830

**To:**  
**From:** Jason Heitman, OSC  
**Date:** 2/24/2011  
**Reporting Period:** 10/27/2010 - 02/24/2011

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	A7T6	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	8/6/2010
<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>	NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	10/27/2010	<b>Start Date:</b>	10/27/2010
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>	NEN000706105	<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	NDEQ Notified
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

#### 1.1.1 Incident Category

CERCLA Incident Category: Time Critical Removal Action

#### 1.1.2 Site Description

##### 1.1.2.1 Location

The York Northeast Groundwater site is located near the intersection of N. Lincoln Avenue and 25th Street. N. Lincoln Avenue is the east-west division for city streets in York. The geographic coordinates for the intersection are 40.886868 degrees north latitude and 97.592983 degrees west longitude. The site includes an industrial area to the west of the intersection and extends southeastward into a residential area, encompassing portions of Sections 25 and 36 of Township 11 North, Range 3 West; Sections 29, 30, 31, and 32 of Township 11 North, Range 2 West; Sections 5 and 6 of Township 10 North, Range 2 West; and Section 1 of Township 10 North, Range 3 West. Prior to about 2005, when a bypass west of York was completed, N. Lincoln Avenue had been designated as U.S. Highway 81, and W. 25th Street as Nebraska Highway 34.

##### 1.1.2.2 Description of Threat

In March 2010, the Nebraska Department of Environmental Quality (NDEQ) referred the PCE/TCE Northeast Contamination site to EPA Region 7 for a removal action. Prior to referral, NDEQ conducted a Site Inspection (SI) and Expanded Site Inspection (ESI) at the Site. NDEQ's initial actions were based in part on a letter from a York citizen expressing concern about TCE contamination in local private drinking water wells.

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

The SI found trichloroethene (TCE) and tetrachloroethene (PCE) exceeding benchmark levels in untreated water samples from five private drinking water wells on East Avenue, E. 19th Street, and N. Delaware Avenue. TCE concentrations exceeded the 5 micrograms per liter (µg/L) maximum contaminant level (MCL) and Nebraska's Voluntary Cleanup Program (VCP) Remediation Goals (RG) at three of these locations. The site was referred to EPA for a removal action, and EPA sampled these wells in March 2010. Two additional

residences were also sampled at this time. TCE was detected at 53 µg/L at one residence where 45.5 µg/L had been detected during the SI/ESI in January 2010. At four other residences, TCE was detected at concentrations between 3.3 and 9.6 µg/L. Carbon Tetrachloride (CCl<sub>4</sub>) was detected at 5.5 µg/L in one well located about 1 mile southeast of the former United States Department of Agriculture (USDA) facility (north of the TCE-impacted wells). The MCL for CCL<sub>4</sub> is 5 ug/L. Where detected, PCE concentrations in these wells ranged from 0.85 to 2 µg/L.

Additional sampling by EPA in 2010 identified two wells on Road 13 between Roads N and O that contained TCE. One of these wells contained TCE at 1.3 µg/L. The other well contained TCE at 6.5 µg/L.

## **2. Current Activities**

### **2.1 Operations Section**

#### **2.1.2 Response Actions to Date**

As part of a removal action, the two residences on East Avenue and N. Delaware Avenue that had TCE concentrations exceeding the MCL were connected to the York Public Water Supply (PWS).

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

Based on previous investigations, including a site inspection (SI) conducted in early 2010, the most likely source areas were at either Kroy Building Products (KBP), which manufactures polyvinyl chloride (PVC) fencing, or at Kroy Industries, Inc. (Kroy), which manufactures aluminum tubing and fittings. In the early 1990s, these now-separate facilities were a single facility identified as Kroy Industries, a subsidiary of Alcan Pipe, a division of Alcan Aluminum Corporation (Kroy/Alcan) producing both aluminum and PVC pipe. Alcan purchased the facility in 1988. It previously had been Kroy Metal Products Inc., which had been in operation since 1956. These facilities are located at the northwest corner of W. 25th Street and N. Division Avenue in northwestern York, Nebraska.

In mid 2011, an Expanded Site Investigation (ESI) was performed by NDEQ to try and further identify the source area for the Site. Based on results of the ESI sampling, the likely source area for the contamination identified at the Site is the area under or around production areas at Kroy Industries where solvents were used. TCE, PCE, and other solvents likely traveled through cracks, seams, drains, or other pathways through the concrete building slab and migrated to the groundwater below.

### **2.2 Planning Section**

#### **2.2.1 Anticipated Activities**

EPA Region 7 will be performing further sampling of private drinking water wells at the Site in March 2011.

##### **2.2.1.1 Planned Response Activities**

No removal actions are planned for residences where TCE concentrations do not exceed the MCL. Water lines were not available for the two residences on E. 19th Street or the residence outside of York on Road 13. Therefore, a carbon filtration system will be installed at the residence on Road 13, and existing carbon filtration systems at the two residences on E. 19th Street will be replaced with new systems. No removal action is currently planned for the residence on E. 25th Street, where the CCl<sub>4</sub> concentration exceeds the MCL. Water at that residence is treated through a reverse osmosis system the owner had installed for removing elevated nitrates; this system is also removing the VOC contamination.

### **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**

##### **2.7.2 Community Involvement Coordinator**

The EPA Community Involvement Coordinator for the Site is Belinda Young. She created a fact sheet that was distributed to congressionals and local officials.

The administrative record for the Site is available for review at the Kilgore Memorial Library, 520 Nebraska Ave, York, NE 68467.

## **3. Participating Entities**

### **3.1 Unified Command**

### **3.2 Cooperating Agencies**

EPA Region 7 has been cooperating with NDEQ and the City of York on this Site.

### **4. Personnel On Site**

Site plumbing installation work is being performed by Pieper Plumbing & Well Drilling, Inc.

### **5. Definition of Terms**

No information available at this time.

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

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

#### **6.2 Reporting Schedule**

Additional PolReps will be written upon completion of significant actions at the Site.

### **7. Situational Reference Materials**

Total Wells Sampled	20
Sampled Wells > RAL for TCE	4
Sampled Wells > RAL for CCl4	2
Total Filtration Systems Installed	3*
Total Water Lines Installed	2

\* One property owner with CCL4 above the RAL refused a filtration system from EPA. The sample at this residence was 5.5 micrograms per liter. The RAL is 5.0 micrograms per liter.