

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
PCE Chestnut RV001 - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VII

Subject: POLREP #4
Progress (property assessment, vapor mitigation bids, gw locates)
PCE Chestnut RV001

Atlantic, IA
Latitude: 41.4036007 Longitude: -95.0138776

To:
From: Susan Fisher, OSC
Date: 9/10/2015
Reporting Period: 9/8/2015 to 9/9/2015

1. Introduction

1.1 Background

Site Number:	A7B4	Contract Number:	
D.O. Number:		Action Memo Date:	5/18/2015
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	6/4/2015	Start Date:	6/4/2015
Demob Date:		Completion Date:	
CERCLIS ID:	IAN000703467	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Inactive Production Facility

2. Current Activities

2.1 Operations Section

2.0 Current Activities

2.1 Operations

2.1.1 Narrative

During a vapor intrusion assessment conducted in March 2015 by the EPA for the PCE Former Dry Cleaners Site, the EPA discovered another former dry cleaner site (PCE Chestnut Street) to the west of the PCE Former Dry Cleaners Site. The levels of PCE vapors found in buildings at the Site present a significant health threat due to inhalation hazards.

2.1.1.1 Current situation

Vapor intrusion sampling was conducted the weeks of July 13 and 20, 2015. The results of the sampling showed two properties with TCE vapors in the inside air higher than the TCE vapors in the subslab.

2.1.2 Response activities to date

On September 8 and 9, 2015, the EPA conducted an assessment of the two properties, with TCE vapors inside the property higher than the TCE vapors in the subslab.

13 East 4th Street

The property at 13 East 4th Street consists of three businesses on the main floor over a basement. Above the businesses are apartments that are not currently occupied. The businesses are a shoe cobbler, a barber shop, and a sign shop.

The basement has several open and closed containers of paint, varnishes and strippers from the sign company. No specific container was found with TCE as a listed ingredient. However, several containers

were rusty and there were several boards and other debris hampering the ability to find all containers.

The Agency for Toxic Substances and Disease Registry (ATSDR) *Toxicological Profile for Trichloroethylene (Update)*, U.S. Public Health Service, U.S. Department of Health and Human Services, Atlanta, GA 1997 states:

"Trichloroethylene is used in consumer products such as typewriter correction fluids, paint removers/strippers, adhesives, spot removers, and rug-cleaning fluids".

Therefore, the EPA will be requesting that the owner remove all containers from the basement that are no longer used. Then retesting of the indoor air will be done to determine if there is still TCE in the indoor air that exceeds EPA Removal Action Levels.

The EPA and START located areas where groundwater sampling will be conducted in October 2015.

The EPA also met with ERRS contractor. The ERRS contractor put out for bid four properties to install vapor mitigation systems. Three potential bidders met and conducted a walk-through of the four properties.

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

PRPs have not been identified.

2.1.4 Progress Metrics

See the Documents section for a table of the progress metrics.

2.2 Planning Section

2.2 Planning

2.2.1 Anticipated activities for next reporting period

The EPA OSC is planning to conduct oversight of the installation of vapor mitigation systems in four properties. The EPA will be conducting a removal action at 500 Chestnut.

2.2.1.1 Planned Response Activities

The EPA will be collecting groundwater sampling the first week of October 2015. Groundwater sample results will be used to delineate the groundwater plume and to help locate source areas.

2.2.1.2 Next Steps

Continue to delineate groundwater plume and locate source areas, as well as collect additional vapor intrusion samples.

2.2.1.2 Issues

No issues at this time.

2.3 Logistics Section

No information at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No Information at this time.

3. Participating Entities

3.0 Participating Entities

3.1 Unified Command

U.S. Environmental Protection Agency

3.2 Cooperating and Assisting Agencies

Iowa Department of Natural Resources
City of Atlantic, Iowa

4. Personnel On Site

4.0 Personnel On Site and Off Site

EPA Employees
START
ERRs

5. Definition of Terms

5.0 Definition of Terms

µg/m³ - Micrograms per cubic meter

PRP - Potential Responsible Party

ND - Non Detect

SS - Subslab

IA - Indoor Air

PCE - Tetrachloroethene

TCE - Trichloroethene

APA - Abbreviated Preliminary Assessment

OSC - On Scene Coordinator

ATSDR - Agency for Toxic Substance Disease Registry

IDNR – Iowa Department of Natural Resources

6. Additional sources of information

6.0 Source of Additional Information

PCE (Tetrachloroethylene):

- A man-made chemical that is widely used for dry cleaning clothes
- It evaporates easily into the air
- A colorless liquid with a mild, chloroform-like odor - has a sharp, sweet odor.

TCE (Trichloroethylene):

- Remove grease from fabricated metal parts and in the production of some textiles.
- PCE degrades to TCE under certain circumstances
- A colorless or blue liquid with a chloroform-like odor - has a sharp, sweet odor.

For more information about these chemicals go to:

<http://water.epa.gov/drink/contaminants/basicinformation>

7. Situational Reference Materials

7.0 Situational Reference Material