

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VII

Subject: POLREP #8
Progress - Indoor Air Sampling and Vapor Mitigation Installation
PCE Chestnut RV001

Atlantic, IA
Latitude: 41.4036007 Longitude: -95.0138776

To:
From: Susan Fisher, OSC
Date: 7/19/2016
Reporting Period: May 9 to June 8, 2016

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

EPA collected confirmation indoor air samples from properties where vapor mitigation systems have been installed, and indoor air samples from properties with no vapor mitigation system the weeks of May 9 and June 6, 2016. No sample results exceeded EPA Removal Action Levels.

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

PRPs have not been identified.

2.1.4 Progress Metrics

2.2 Planning Section

2.2 Planning

2.2.1 Anticipated activities for next reporting period

Collection of additional subslab and indoor air samples.

Collect additional soil and groundwater samples to better define contamination plume.

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

Continue to delineate the 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 Substances and 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):

- Used to 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