

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region VII

**Subject:** POLREP #6  
Progress Report (vapor mitigation systems installation)  
PCE Chestnut RV001

Atlantic, IA  
Latitude: 41.4036007 Longitude: -95.0138776

**To:**  
**From:** Susan Fisher, OSC  
**Date:** 11/18/2015  
**Reporting Period:** November 10 to 13, 2015

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	A7B4	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	5/18/2015
<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>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	6/4/2015	<b>Start Date:</b>	6/4/2015
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>	IAN000703467	<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

#### 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

During the week of November 10, 2015, four vapor mitigation systems were installed in properties at the site. Vapor mitigation systems were installed in these properties because subsurface and/or indoor air sample results were above maximum contaminant levels.

##### 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**

Collection of additional subslab and indoor air samples is planned for February 2016.

#### **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/m<sup>3</sup> - 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**

