

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Tuchman Cleaners - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #15  
Progress PolRep  
Tuchman Cleaners  
B5ZU  
Indianapolis, IN  
Latitude: 39.8369420 Longitude: -86.1210940

**To:**  
**From:** Shelly Lam, On-Scene Coordinator  
**Date:** 10/23/2013  
**Reporting Period:** July 13 - October 23, 2013

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	B5ZU	<b>Contract Number:</b>	EP-S5-09-05
<b>D.O. Number:</b>	106	<b>Action Memo Date:</b>	8/16/2012
<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>	9/17/2012	<b>Start Date:</b>	9/17/2012
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>	INN000510530	<b>RCRIS ID:</b>	IND982425662
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

#### 1.1.1 Incident Category

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) incident category:  
Inactive Production Facility

#### 1.1.2 Site Description

The following sections provide information on the site location, description of threat, and site assessment results.

##### 1.1.2.1 Location

The Tuchman Cleaners site is located at 4401 N. Keystone Avenue in Indianapolis, Marion County, Indiana, 46205. The site is located in an area northeast of downtown Indianapolis that is commercial and residential. Approximately 10,000 people live within one mile of the site. The Fall Creek well field is less than ¼ mile from the site. Fall Creek, a major tributary to the White River, is located approximately 500 feet south of the site. The geographical coordinates for the site are latitude 39.836942 ° north and longitude 86.121094° west.

##### 1.1.2.2 Description of Threat

A release of hazardous substances, pollutants, or contaminants was documented at the site. The U.S. Environmental Protection Agency (EPA) documented the presence of hazardous substances as defined by section 101(14) of CERCLA, including tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (DCE), vinyl chloride, chloroform, and 1,1,1,2-tetrachloroethane; and pollutants and contaminants as defined by 101(33) of CERCLA.

Hazardous substances were documented in soil, groundwater, and soil vapor. Possible exposure routes to hazardous substances include dermal contact with contaminated surface and subsurface soil during excavation activities; inhalation of contaminated air that migrated through subsurface soil and groundwater, i.e. vapor intrusion; and ingestion of contaminated drinking water. Potential human receptors include future on-site workers and nearby residents, including children in a day care adjacent to the site.

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

See previous Pollution Reports (PolRep).

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

Tuchman Cleaners operated as a dry cleaner at the Keystone facility beginning in 1953 until 2008 when the

parent company declared bankruptcy. Historical operations at the site caused releases of dry cleaning solvents, primarily PCE, to soil and groundwater.

Prior to the construction of the dry cleaning facility, the property was an empty lot. In January 2012, the City of Indianapolis completed demolition of the on-site building to assist with EPA's time-critical removal.

### 2.1.2 Response Actions to Date

Refer to Pollution Reports (PolRep) 1-14 for previous actions.

During the reporting period, EPA accomplished the following:

- Conducted pre-installation pilot tests and/or system scoping at three residences;
- Installed vapor mitigation systems at two residences;
- Modified one vapor mitigation system where post-installation proficiency sampling indicated that indoor air concentrations were still above screening levels;
- Conducted initial vapor intrusion sampling at one property; and
- Conducted follow-up sampling at eight properties.

EPA has installed vapor mitigation systems at 20 residential properties. Maximum concentrations for chemicals above screening levels in indoor air included 1,2,4-trimethylbenzene at 150 parts per billion by volume (ppbv); chloroform at 5.8 ppbv; xylenes at 360 ppbv; PCE at 22 ppbv; and TCE at 62.6 ppbv. Residential screening levels for indoor air are 1.5 ppbv for 1,2,4-trimethylbenzene; 0.9 ppbv for chloroform; 50 ppbv for xylenes; 6 ppbv for PCE; and 1.3 ppbv for TCE.

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

EPA has issued General Notice Letters and/or 104(e) information requests to 11 different parties. Based on the information received, none of the parties is either liable or have the financial resources to conduct the work. Thus, EPA did not issue an order because the former owner is in Chapter 11 receivership.

### 2.1.4 Progress Metrics

The waste stream metrics are current for waste disposed through November 29, 2012.

<b>Waste Stream</b>	<b>Medium</b>	<b>Quantity</b>	<b>Manifest #</b>	<b>Treatment</b>	<b>Disposal Facility</b>
NA3077, Hazardous Waste Solid, NOS, (F002), 9, PGIII	Soil	1777.76 tons	Various	None	Wayne Disposal
NA3077, Hazardous Waste Solid, NOS, (F002), 9, PGIII	Soil	773.26 tons	Various	Chemical oxidation	Michigan Disposal
NA3082 Hazardous Waste Liquid, NOS, PGIII	Liquid	3250 pounds	010719993JJK	None	EQ Detroit
Non-hazardous, non-regulated liquid	Liquid	400 pounds	010719993JJK	None	EQ Detroit

<b>R5 Priorities Summary</b>		
This is an Integrated River Assessment.	Miles of river systems cleaned and/or restored	NA
	Cubic yards of contaminated sediments removed and/or capped	NA
	Gallons of oil/water recovered	NA
	Acres of soil/sediment cleaned up in floodplains and riverbanks	NA
Stand Alone Assessment	Acres Protected	2.2
	Number of contaminated residential yards cleaned up	0
	Human Health Exposures Avoided	10,000
	Number of workers on site	8
Contaminant(s) of Concern		
Contaminant(s) of Concern	PCE, TCE, cis-1,2-DCE, vinyl chloride, chloroform, 1,1,2,2-tetrachloroethane	

### Green Initiatives

See previous PolReps.

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

EPA is conducting the following response actions to mitigate threats posed by the presence of hazardous substances at the Tuchman Cleaners Site: develop and implement a Site Health and Safety Plan and a Site Security Plan; remove contaminated soil that poses a direct contact threat; backfill excavated areas with clean impermeable fill; conduct vapor intrusion assessment at residential properties and an adjacent day care; perform vapor intrusion mitigation at properties where relevant indoor air action levels are exceeded in accordance with current EPA guidance; and consolidate and package hazardous substances, pollutants and contaminants for transportation and off-site disposal in accordance with the EPA Off-Site Rule, 40 CFR § 300.440.

#### 2.2.1.1 Planned Response Activities

During the next reporting period, EPA will continue post-mitigation follow-up sampling at homes. Additionally, EPA will upgrade mitigation systems that do not pass post-installation performance sampling.

#### 2.2.1.2 Next Steps

EPA will refer the site to the Indiana Department of Environmental Management (IDEM) and EPA's Remedial Program when removal actions are complete.

#### 2.2.2 Issues

None

### 2.3 Logistics Section

The Emergency and Rapid Response Services (ERRS) contractor provided logistical support.

### 2.4 Finance Section

No information available at this time.

### 2.5 Other Command Staff

#### 2.5.1 Safety

On September 17, 2012, the Health and Safety Plan (HASP) was finalized and signed by all site personnel. All personnel on-site attend daily health and safety briefings

#### 2.5.2 Liaison Officer

Not applicable (NA)

#### 2.5.3 Information Officer

See previous PolReps.

### 3. Participating Entities

#### 3.1 Unified Command

NA

#### 3.2 Cooperating Agencies

ATSDR  
IDEM  
Marion County Public Health Department  
City of Indianapolis  
Citizens Energy

### 4. Personnel On Site

The following personnel were on-site during the reporting period.

Agency	Position	# Personnel
EPA	OSC	1
ERRS	Foreman	1
	VI Subcontractor	5
START	On-Site monitoring and documentation support	1

### 5. Definition of Terms

ATSDR Agency for Toxic Substances and Disease Registry  
CERCLA Comprehensive Environmental Response, Compensation, and Liability Act  
DCE Dichloroethene  
EPA Environmental Protection Agency  
ERRS Emergency and Rapid Response Services  
HASP Health and Safety Plan  
IDEM Indiana Department of Environmental Management  
NA Not Applicable  
OSC On-Scene Coordinator  
PCE Tetrachloroethene  
PolRep Pollution Report  
ppbv parts per billion by volume  
PRP Potentially Responsible Party  
START Superfund Technical Assessment and Response Team  
TCE Trichloroethene

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

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

For additional information, refer to [www.epaosc.org/tuchman](http://www.epaosc.org/tuchman) or <http://www.epa.gov/region5/cleanup/tuchman/index.html>.

### **6.2 Reporting Schedule**

The OSC will submit PolReps periodically.

## **7. Situational Reference Materials**

NA