

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Jim's Dry Cleaners - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region I

Subject: POLREP #2
Final
Jim's Dry Cleaners
01HK
Millinocket, ME
Latitude: 45.6542610 Longitude: -68.7080589

To: POLREP Distribution, USEPA R1
From: Eric Vanderboom, OSC
Date: 2/1/2012
Reporting Period:

1. Introduction

1.1 Background

Site Number:	01HK	Contract Number:	EP-W-08-061
D.O. Number:		Action Memo Date:	11/3/2011
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	N/A
Mobilization Date:	1/23/2012	Start Date:	1/23/2012
Demob Date:	2/22/2012	Completion Date:	2/22/2012
CERCLIS ID:	MEN000106069	RCRIS ID:	
ERNS No.:	N/A	State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

CERCLA - Time Critical Removal

1.1.2 Site Description

The Site consists of two properties: Lot 172 (approximately 1/4 acre), which comprises the former Jim's Dry Cleaners building, an attached occupied apartment, and paved areas; and Lot 171 (approximately 1/2 acre which abuts the Site to the north, was formerly the location of a Laundromat, and is currently an empty lot with a large concrete pad. The dry cleaning facility was in business prior to 2007, although exact dates of operation are unknown.

1.1.2.1 Location

The Site is located at 110 Aroostook Avenue, Millinocket, Penobscot County, Maine. It is bordered to the north by residential and commercial properties and Pine Street, to the south by a church and residential properties, to the east by Aroostook Avenue and residential properties, and to the west by commercial properties and Penobscot Avenue. The geographical coordinates at the approximate center of the Site are latitude 45.6542 north and longitude -68.7080 west.

1.1.2.2 Description of Threat

EPA Analysis of four indoor air samples detected tetrachloroethylene (PCE) and trichloroethylene (TCE) in excess of EPA Region 1 regional screening levels (RGL) and the Maine Department of Environmental Protection (MEDEP) screening levels for unrestricted residential use. All of the sub-slab/floor soil gas samples revealed PCE in excess of MEDEP levels for unrestricted residential use.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The preliminary assessment results indicated that the pathway of the contaminants is vapor intrusion from the sub-slab soil gas. Site investigation sampling supports this by indicating that the contamination is accumulating beneath the sub-slab and permeating into the building. The following table summarizes the data from the EPA site investigation.

Table 1: Jim's Dry Cleaners Site PCE and TCE Concentrations ($\mu\text{g}/\text{m}^3$) Analyzed by EPA on May 23-26, 2011				
	New Section Area	Old Section Area	Storage Area	Apartment
24-Hour Indoor Air	33 (PCE) 6.9 (TCE)	26 (PCE) 7.1 (TCE)	27 (PCE) 16 (TCE)	20 (PCE) 3.7 (TCE)
Sub-Slab Soil Gas (max)	49,000 (PCE) ND (1309) ^[1] (TCE)	NA	NA	NA
Sub-Floor Soil Gas (max)	NA	115 (PCE) 1.1 (TCE)	NA	NA
EPA Region 1 and MEDEP Residential Indoor Air Targets		(PCE): 0.41 (TCE): 1.2		
MEDEP Residential Soil Gas Targets		(PCE): 20.62 (TCE): 60.83		
Ambient Air		(PCE): ND (0.75) (TCE): ND (0.59)		

^[1] These reporting limits were increased as a result of dilutions made to the samples to achieve a reportable value of TCE. As a result they are well above the MEDEP solid gas target level, making it difficult to accurately determine the presence or absence of TCE in soil gas below the concrete slab. However, the reporting limits for samples collected below the wood floor in the old section were lower (0.36 and 0.40).

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

ERRS mobilized on 1/23/2012 to commence removal action. Lab packing of solvents was completed on 01/24/2012 and system installation concluded on 01/30/2012. Final demobilization was on February 22, 2012.

2.1.2 Response Actions to Date

- Lab packed dry cleaning solvents for transportation and disposal.
- Installed sub-slab depressurization system.

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

A Notice Letter was sent to the PRP.

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
Lab Pack	solvents/flammable liquids	70 gallons		none	fuel blending
Lab Pack	pesticides/flammable	75 pounds		none	fuel blending

2.2 Planning Section

2.2.1 Anticipated Activities

No further activities anticipated.

2.2.1.1 Planned Response Activities

None at this time.

2.2.1.2 Next Steps

None at this time.

2.2.2 Issues

None at this time.

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

Nothing to report at this time.

2.5.2 Liaison Officer

No information available at this time.

2.5.3 Information Officer

No information available at this time.

3. Participating Entities

3.1 Unified Command

N/A

3.2 Cooperating Agencies

MEDEP

4. Personnel On Site

No information available at this time.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

No information available at this time.

6.2 Reporting Schedule

No information available at this time.

7. Situational Reference Materials

No information available at this time.