

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Goodwill Mercury Release - Removal Polrep
Initial and Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: POLREP #1
Initial & Final POLREP
Goodwill Mercury Release

Melbourne, FL
Latitude: 28.1391278 Longitude: -80.6730806

To:
From: Chris Russell, FOSC
Date: 9/12/2012
Reporting Period: September 6, 2012 - September 11, 2012

1. Introduction

1.1 Background

Site Number:	Contract Number:
D.O. Number:	Action Memo Date:
Response Authority: CERCLA	Response Type: Emergency
Response Lead: PRP	Incident Category: Removal Action
NPL Status: Non NPL	Operable Unit:
Mobilization Date: 9/6/2012	Start Date: 9/7/2012
Demob Date: 9/10/2012	Completion Date: 9/10/2012
CERCLIS ID:	RCRIS ID:
ERNS No.:	State Notification:
FPN#:	Reimbursable Account #:

1.1.1 Incident Category

Release of a Hazardous Substance (Mercury) into the environment.

1.1.2 Site Description

The Site consists of a Goodwill retail-donation center that is approximately 23,000 square feet in size, as well as a loading dock area behind the building.

1.1.2.1 Location

1974 Wickham Road, Melbourne, Florida

1.1.2.2 Description of Threat

Mercury was spilled inside the store and was ultimately released into the environment due to disposal methods and cross contamination.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Lumex air monitoring upon arriving on site indicated the presence of Hg in the atmosphere of the store at a constant level of 19 ug/m3 with elevated readings throughout the store reaching as high as 100 ug/m3. Furthermore, readings in the dumpster behind the store and off the "loading ramp" at the back door were also as high as 100 ug/m3.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

On the afternoon of September 5, 2012, a customer at the Melbourne Goodwill Retail Center advised the staff that an antique blood pressure cup was broken in the store releasing an unknown amount of Mercury. The broken blood pressure cup was carried throughout the store and eventually thrown into the outside dumpster. After the employees researched Mercury releases on the internet, the blood pressure cup was retrieved from the dumpster (by a vagrant sifting through the dumpster) and given back to the staff. The staff then attempted to mitigate the release themselves, causing cross contamination of some of the employee's clothing.

On September 6, 2012 a cleanup contractor was hired to mitigate the spill. On this date in the late afternoon, FDEP was notified of the release and in turn contacted EPA for assistance. Both EPA and FDEP arrived on site the morning of September 7, 2012 and noted that cleanup efforts the previous day were unsuccessful in mitigating the release (Lumex readings between 19 ug/m3 and 100+ ug/mg were noted throughout the store). The original cleanup contractor did not utilize a Mercury vacuum and ultimately tried to sweep up the Mercury. Goodwill in turn released the contractor and retained the services of another

cleanup contractor. A Unified Command was established between the RP, FDEP, EPA, and the RP's cleanup contractor, to address the release of this hazardous substance into the environment.

2.1.2 Response Actions to Date

The PRP hired a cleanup contractor to mitigate the spill. FDEP Office of Emergency Response and EPA worked with the RP in Unified Command and oversaw cleanup measures. The following actions were taken:

All garments were removed from the store (approximately 30,000). Approximately 20 percent of each clothing rack was screened via Lumex. Those racks that were screened at levels below 10 ug/m3 were transported off-site, baled, and sold to be used as recyclable materials (not to be used as garments). Any racks that screened at levels over 10ug/m3 were disposed of by the cleanup contractor.

All free mercury was removed via a MercVac and the contents were properly disposed of.

The carpet and some tiles that had been exposed to free mercury were removed and properly disposed of.

The building was swept and mopped with a mercury binding solution to mitigate any mercury that may have remained.

Heating and venting actions were conducted.

An 8 hour Lumex screening clearance operation was conducted by the EPA, with the 8-hour average results being less than 3 ug/m3. The results were forwarded to ATSDR with a recommendation for clearing the building for occupancy and the ATSDR concurred.

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

No known enforcement activities exist.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Garments	Solids	Approx 10,000 pieces			X
Garments	Solids	Approx 20,000 pieces		X recycled	
Hg Contaminated Wastes	Solids	Approximately 200 pounds			X

2.2 Planning Section

2.2.1 Anticipated Activities

Normal store operations will continue in the future. Goodwill staff will remove all Mercury containing devices from their facilities in the Central Florida Region. Mercury awareness training will be given to Goodwill employees.

2.2.1.1 Planned Response Activities

Response activities have been completed.

2.2.1.2 Next Steps

None

2.2.2 Issues

None

2.3 Logistics Section

Logistics were conducted under a Unified Command approach with each responding Agency (and the PRP) accounting for their respective logistical needs.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

Each responding Agency and the PRP's response contractor accounted for their own Safety Officer. Both FDEP and EPA reviewed the response contractor's safety plan.

2.5.2 Liaison Officer

N/A

2.5.3 Information Officer

OSC Russell provided an interview to a local reporter pertaining to the response.

3. Participating Entities

3.1 Unified Command

EPA, FDEP Office of Emergency Response, Goodwill and their response contractor.

3.2 Cooperating Agencies

CDC/ATSDR

4. Personnel On Site

US EPA

Chris Russell

FDEP Office of Emergency Response

Terry Edwards

Jeff Waters

Holly Fortune

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

N/A

6.2 Reporting Schedule

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7. Situational Reference Materials

No information available at this time.