

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Shirway Court Mercury Spill - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: POLREP #2
Removal Actions Continue
Shirway Court Mercury Spill
B4A8
Lexington, SC
Latitude: 33.9580150 Longitude: -81.1985970

To:
From: Jose Negron, On Scene Coordinator
Date: 7/6/2010
Reporting Period: 0700 7/6/2010 through 7/7/2010

1. Introduction

1.1 Background

Site Number:	B4A8	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	7/2/2010	Start Date:	7/2/2010
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	SCDHEC
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

See POLREP # 1 for Incident Category Information

1.1.2 Site Description

See POLREP # 1 for Site Description

1.1.2.1 Location

See POLREP # 1 for Location Information

1.1.2.2 Description of Threat

See POLREP # 1 for Threat Description

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA, START and ERRS continued efforts to mitigate mercury vapors within the residence.

2.1.2 Response Actions to Date

- START collected initial readings from the residence and determined that concentrations of mercury vapors were still present within the home. START observed very high mercury readings along the floor of the room four. Items were collected from the bedroom and placed in bags to allow mercury to vaporize from possibly contaminated items.
- ERRS removed all furniture from the bedroom to remove the carpet. Once the carpet was pulled back, mercury beads were observed along one wall in the bedroom. ERRS began mercury removal efforts using a HEPA vacuum along the contaminated wall. Once the elemental mercury was removed from the room, ERRS treated the floor with HgX.

- START collected head space readings of the bagged items from room four. High mercury concentrations were observed. These items were again placed in the sun for many hours to allow for the mercury to vaporize.
- START analyzed the conex boxes and roll off box to ensure the safety of the ERRS workers.

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

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

START will continue to collect mercury readings throughout the residence. ERRS will continue mercury recovery and mitigation operations. Heavily contaminated items will be segregated for disposal at an approved disposal facility.

2.2.1.1 Planned Response Activities

- The house will be ventilated over night to allow for HgX to dry and for mercury vapors to escape.
- START will take mercury readings first thing in the morning to determine areas of concern.
- After readings are taken, ERRS will bag items from the home and allow these items to sit in the sun for mercury to vaporize.
- START will collect mercury readings from the head space of each bag to determine if the items can be returned to the family.
- ERRS will continue the heating and ventilation process within the residence.

2.2.1.2 Next Steps

- **Continue to ventilate residence to allow for HgX to dry and for mercury vapors to escape.**
- **START will take mercury readings first thing in the morning to establish areas of concern.**
- **ERRS will continue to bag items and allow these items to sit in the sun for mercury to vaporize.**
- **START will collect mercury readings from the head space of each bag to determine if the items can be returned to the family.**

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$195,000.00	\$15,000.00	\$180,000.00	92.31%
START	\$50,000.00	\$6,000.00	\$44,000.00	88.00%
Intramural Costs				
USEPA - Direct	\$50,000.00	\$6,000.00	\$44,000.00	88.00%
Total Site Costs	\$295,000.00	\$27,000.00	\$268,000.00	90.85%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

The START PM and ERRS PM are responsible for safety measures taken at the site. A site specific HASP is available should a safety concern arise.

2.6 Liaison Officer

2.7 Information Officer

2.7.1 Public Information Officer

2.7.2 Community Involvement Coordinator

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

EPA will update SCDHEC with the site status periodically.

4. Personnel On Site

EPA - 1
START - 2
ERRS - 4

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

EPA will post POLREPS regarding ongoing response activities at: www.epaossc.org/ShirwayCourtMercury.

6.2 Reporting Schedule

7. Situational Reference Materials

No information available at this time.

POLREP #2 Last Updated 7/22/2010