 03
6-29-16

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

US EPA RECORDS CENTER REGION 5

964873

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: **POLREP #1**
Initial and Final Polrep
Arthur Street Mercury

Brookfield, IL
[redacted]

To:
Mark Johnson, ATSDR
Marc Miller, Illinois DNR
Todd Rettig, Illinois DNR
Bruce Everetts, Illinois EPA
John Kim, Illinois EPA
Todd Goeks, NOAA
Greg Schweitzer, NOAA
Wayne Babcock, U.S. Department of Interior
Robert Burr, U.S. Department of Interior
Valencia Darby, U.S. DOI
Carolyn Bohlen, U.S. EPA
Sam Borries, U.S. EPA
Jaime Brown, U.S. EPA
Phillippa Cannon, U.S. EPA
Mark Durno, U.S. EPA
Jason El-Zein, U.S. EPA
HQ EOC, U.S. EPA
Charlie Gebien, U.S. EPA
John Glover, U.S. EPA
Mick Hans, U.S. EPA
Cecilia Moore, U.S. EPA
Mike Ribordy, U.S. EPA
Carol Ropski, U.S. EPA
Brian Schlieger, U.S. EPA
Annette Trowbridge, U.S. Fish & Wildlife
Tom Baughman, ILDPH

From: Mike Beslow, OSC
Date: 6/29/2016
Reporting Period: 06/29/2016

1. Introduction

1.1 Background

Site Number: **Contract Number:**
D.O. Number: **Action Memo Date:**

Response Authority:	CERCLA	**Response Type:**	Emergency
Response Lead:	EPA	**Incident Category:**	
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:		**Start Date:**	
Demob Date:		**Completion Date:**	
CERCLIS ID:		**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

1.1.2 Site Description

The release occurred indoors at a residential home. The release of mercury was to the hard wood floor

1.1.2.1 Location

[redacted]

Brookfield, IL

1.1.2.2 Description of Threat
Elemental Mercury in residence with small children

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Initial screening results with the Lumex peaked at 11,000 ug/m3 at source area

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

On Sat, June 25, resident was preparing to hang an antique mirror. The mirror cracked on the back side and released elemental mercury to the hardwood floor.

2.1.2 Response Actions to Date

Homeowner vacuumed initial mercury beads with a vacuum. They contacted a number of local agencies. Illinois department of health was unable to respond because they did not have a mercury vapor analyzer. Serv-Pro responded and used air scrubbers to conduct an air exchange within the house. Serv-Pro disposed of the contaminated waste and the residents covered the effected area with visqueen plastic.

EPA arrived at approximately 9 am on June 29 with START. Air monitoring was conducted using a Lumex mercury vapor analyzer. Found readings at as high at 11,000 ug/m3 at source area in dining room.

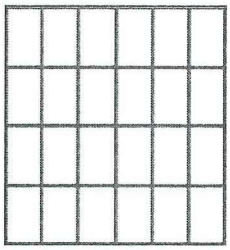
START applied 3 applications of zinc powder from PIG Mercury Spill cleanup kit and screened the source area between each application. After 3 applications, Lumex detected upto 2200 ug/m3 at source area. Visqueen plastic was reapplied to floor, and room rescreen. With visqueen applied, breathing zone in source room was down to 4 ug/m3.

Homeowner stated they would make a claim with their insurance company to complete cleanup, and requested EPA to screen once again after insurance had finalized mitigation.

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

2.1.4 Progress Metrics

all elemental mercury waste was removed by Serv-Pro



2.2 Planning Section

2.2.1 Anticipated Activities

EPA expects to rescreen house, after insurance company completes remediation steps

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

2.2.2 Issues

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

No information available at this time.

3. Participating Entities

3.1 Unified Command

none

3.2 Cooperating Agencies

ATSDR

Illinois Department of Health

4. Personnel On Site

EPA

START

Homeowner

5. Definition of Terms

ATSDR - Agency for Toxic Substances and Disease Registry

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.