

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Meadowdale Site - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #1
Initial POLREP
Meadowdale Site
C5Y2
Williamston, MI
Latitude: 42.7049410 Longitude: -84.2788810

To:
From: Brian Kelly, OSC
Date: 10/19/2013
Reporting Period:

1. Introduction

1.1 Background

Site Number:	C5Y2	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:	10/18/2013	Start Date:	10/18/2013
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	YES
FPN#:		Reimbursable Account #:	

Incident Category
CERLCA Emergency Response

Site Description
Mercury spill at a residence and school.

Location
XXXX Meadowdale Dr, Williamston, MI 48895

Description of Threat
An estimated 1-2 lbs of mercury were spilled by a 12-year old inside his home and in a school parking lot. The child had possession of the mercury starting around May. The boy is under going medical treatment due to mercury exposure. The mercury was brought to the residence after the sale of a family member's home.

Preliminary Removal Assessment/Removal Site Inspection Results
Ingham County Health Department found mercury as high as 25,000 ng/m3 in a duffel bag inside the child's room. Other areas of the house including the bedrooms of two other children showed mercury had been tracked from the child's room to other rooms of the house. The Health Department also found mercury in the school parking lot where the child said the mercury vial had been dropped.

Due to the severity of the medical condition, Michigan Department of Community Health recommended a breathing zone clearance level of 200 ng/m3 (ATSDR guidance is 1,000 ng/m3) for the child.

2. Current Activities

2.1 Operations Section

Response Actions to Date
At the request of the Michigan Department of Environmental Quality and the Ingham County Health Department, EPA responded to cleanup the spilled mercury.

Between 10/18 and 10/19, EPA screened and removed bedding, carpeting, and mercury contaminated items from the house. The mercury levels were found to be as high as 69,000 ng/m3 on the sweeper and 2,000 ng/m3 in the breathing zone. Items above 10,000 ng/m3 are being disposed of. Items between 1,000 and 10,000 ng/m3 are being stored in the garage to be rescreened by Ingham County Health Department.

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

Anticipated Activities

EPA will complete the removal of carpeting and household items today. The goal is to lower the downstairs of the home to less than 200 ng/m3 so the child can move back into the downstairs while the homeowner continues to heat and vent the upstairs. The current mercury levels in the upstairs range from 500-1000 ng/m3. Over the next couple weeks, the Ingham County Health Department will rescreen the upstairs.

EPA will cleanup the school parking lot this afternoon.

It is anticipated EPA cleanup work will be completed by Sunday. The roll-off box containing the contaminated items will be picked up as soon as the waste profile has been approved (7-10 days).

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

No information available at this time.

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

No information available at this time.

7. Situational Reference Materials

No information available at this time.