

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #2  
Final POLREP  
Meadowdale Site  
C5Y2  
Williamston, MI  
Latitude: 42.7049410 Longitude: -84.2788810

**To:**  
**From:** Brian Kelly, OSC  
**Date:** 11/6/2013  
**Reporting Period:**

## 1. Introduction

### 1.1 Background

|                            |            |                                |                |
|----------------------------|------------|--------------------------------|----------------|
| <b>Site Number:</b>        | C5Y2       | <b>Contract Number:</b>        |                |
| <b>D.O. Number:</b>        |            | <b>Action Memo Date:</b>       |                |
| <b>Response Authority:</b> | CERCLA     | <b>Response Type:</b>          | Emergency      |
| <b>Response Lead:</b>      | EPA        | <b>Incident Category:</b>      | Removal Action |
| <b>NPL Status:</b>         | Non NPL    | <b>Operable Unit:</b>          |                |
| <b>Mobilization Date:</b>  | 10/18/2013 | <b>Start Date:</b>             | 10/18/2013     |
| <b>Demob Date:</b>         |            | <b>Completion Date:</b>        | 11/6/2013      |
| <b>CERCLIS ID:</b>         |            | <b>RCRIS ID:</b>               |                |
| <b>ERNS No.:</b>           |            | <b>State Notification:</b>     | YES            |
| <b>FPN#:</b>               |            | <b>Reimbursable Account #:</b> |                |

**Incident Category**  
CERCLA 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 were 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.

The house passed final clearance on 10/20/2013 and final disposal occurred on 11/6/2013.

**Progress Metrics**

|                             |       |      |                                            |
|-----------------------------|-------|------|--------------------------------------------|
| Mercury contaminated debris | solid | 10y3 | Venice Parl RDF, 9536 Lennon Rd Lennon, MI |
|                             |       |      |                                            |
|                             |       |      |                                            |

|                                                                 |     |
|-----------------------------------------------------------------|-----|
| Miles of river systems cleaned and/or restored                  | 0   |
| Cubic yards of contaminated sediments removed and/or capped     | 0   |
| Gallons of oil/water recovered                                  | 0   |
| Acres of soil/sediment cleaned up in floodplains and riverbanks | 0   |
| Acres Protected                                                 | 0.5 |
| Number of contaminated residential yards cleaned up             | 0   |
| Human Health Exposures Avoided                                  | 50  |
| Number of workers on site                                       | 8   |
| Mercury                                                         |     |

**2.2 Planning Section****Anticipated Activities**

None

**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.