

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Portage Creek Area - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #30  
Progress  
Portage Creek Area  
059B05  
Kalamazoo, MI  
Latitude: 42.2839750 Longitude: -85.5791570

**To:** Sam Borries, U.S. EPA  
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Paul Bucholtz, MDEQ  
Debbie Jung, City of Kalamazoo  
Lisa Williams, U.S. FWS  
Todd Goeks, NOAA  
Valincia Darby, Department of Interior  
Mark Johnson, ATSDR

**From:** Craig Thomas, On-Scene Coordinator

**Date:** 7/8/2013

**Reporting Period:** 6/22/2013 - 7/08/2013

**1. Introduction**

**1.1 Background**

|                            |              |                                |                |
|----------------------------|--------------|--------------------------------|----------------|
| <b>Site Number:</b>        | 059B05       | <b>Contract Number:</b>        | EP-S5-09-05    |
| <b>D.O. Number:</b>        | 0087         | <b>Action Memo Date:</b>       | 7/5/2011       |
| <b>Response Authority:</b> | CERCLA       | <b>Response Type:</b>          | Time-Critical  |
| <b>Response Lead:</b>      | EPA          | <b>Incident Category:</b>      | Removal Action |
| <b>NPL Status:</b>         | NPL          | <b>Operable Unit:</b>          | 05             |
| <b>Mobilization Date:</b>  | 9/26/2011    | <b>Start Date:</b>             | 8/30/2011      |
| <b>Demob Date:</b>         |              | <b>Completion Date:</b>        |                |
| <b>CERCLIS ID:</b>         | MID006007306 | <b>RCRIS ID:</b>               | NA             |
| <b>ERNS No.:</b>           |              | <b>State Notification:</b>     | Yes            |
| <b>FPN#:</b>               |              | <b>Reimbursable Account #:</b> |                |

### 1.1.1 Incident Category

Fund-lead removal action

### 1.1.2 Site Description

See POLREP #1

#### 1.1.2.1 Location

See POLREP #1

#### 1.1.2.2 Description of Threat

See POLREP #1

### 1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See POLREP #1

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

All equipment, materials and supplies were demobilized from SA3A to SA1C & SA1B. Preparations continued for contaminated sediment removal operations in SA1C & SA1B, which are expected to begin the week of July 15.

#### 2.1.2 Response Actions to Date

From June 22 to July 8, EPA and ERRS contractors conducted the following activities:

##### Site Activities - John Street Staging Area

- Treated 33,026 gallons of potentially contaminated contact water in EPA's mobile wastewater treatment plant, for a total of 970,587 gallons treated to date.

Site Activities - SA3A

- Removed all remaining equipment, supplies and materials from area;
- Removed access roadways and performed limited site grading in preparation for restoration activities; and
- Conducted work area perimeter air monitoring for dust.

Site Activities - SA1B&C

- Mobilized all equipment, supplies and materials to staging areas;
- Completed construction of creekwater bypass pumping system; and
- Completed construction of isolation de-watering (ground water extraction) system.

Project Management Activities

- Continued weekly progress meetings with City of Kalamazoo, including property owners upon request;
- Finalized area specific restoration plan and implementation agreement for SA3A in coordination with property owners;
- Obtained additional access agreements for properties in SA1A & SA1B;
- Solicited bids for clearing and grubbing activities in SA1A & SA1B; and
- Completed Technical Memo for dredging operations in SA1B & SA1C (posted to document section of website).

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

See POLREP #1

**2.1.4 Progress Metrics**

| <i>Waste Stream</i>             | <i>Medium</i>       | <i>Quantity</i> | <i>Manifest #</i> | <i>Treatment</i> | <i>Disposal</i>                             |
|---------------------------------|---------------------|-----------------|-------------------|------------------|---|
| TSCA contaminated sediments     | solidified sediment | none            |                   | disposal         | Wayne Disposal, Belleville, MI              |
| Non-TSCA contaminated sediments | solidified sediment | none            |                   | disposal         | C&C Landfill, Marshall, MI                  |
| Scrap Metal                     | steel               | 4440 lbs        | n/a               | recycling        | Schupan Industrial Recycling, Kalamazoo, MI |
| Plastic                         | empty bottles       | 40 lbs          | n/a               | recycling        | Best Way Disposal, Inc.                     |

|  |  |  |  |  |                                  |
|--|--|--|--|--|----------------------------------|
|  |  |  |  |  | Drop-off Center<br>Kalamazoo, MI |
|--|--|--|--|--|----------------------------------|

## 2.2 Planning Section

A summary of removal activities that are anticipated to take place from July 9 to July 19 include:

### Site Activities - John Street Staging Area

- Continue treatment of contact water from the staging pad sump with mobile wastewater treatment plant;
- Receive contaminated sediment removed from SA1C; and
- Conduct work area perimeter air monitoring for dust.

### Site Activities - SA3A

- Conduct post-construction soil sampling in all work / staging areas.

### Site Activities - SA1B & SA1C

- Complete installation of sheet pile coffer dams to isolate excavation area;
- Start-up creekwater bypass and isolation dewatering (ground water extraction) pump systems;
- Finalize preparations for contaminated sediment removal operations;
- Begin receiving and stockpiling of aggregates for creek channel backfill;
- Commence excavation of contaminated sediments from grids SA1C-1 & SA1C-2; and
- Conduct work area perimeter air monitoring for dust.

### Project Management Activities

- Continue weekly progress meetings with City of Kalamazoo, including property owners upon request;
- Continue development of area specific restoration plans for SA1B, SA1C & SA1A;
- Begin development of Technical Memo for dredging operations in SA1A;
- Coordinate with Kalamazoo County & Kalamazoo Sunrise Rotary regarding planned work activities in Veteran's Park to support anticipated SA1A removal operations;
- Obtain approval of area specific restoration plan for SA5A and begin restoration work (planting) if possible; and
- Obtain consent to access from remaining property owner in SA1A.

### **2.2.1 Anticipated Activities**

See POLREP #2

#### **2.2.1.1 Planned Response Activities**

See above

#### **2.2.1.2 Next Steps**

See above

### 2.2.2 Issues

Initially, the overall schedule contemplated excavation of contaminated sediments in SA1A (Portage Creek confluence with Kalamazoo River) during the 2014 construction season. However, if weather conditions remain favorable and other potentially mitigating factors are resolved, excavation of SA1A will be completed in the 2013 construction season.

## 2.3 Logistics Section

The current resources present on site during this reporting period include:

- Office trailers
- Portable restrooms & hand-washing stations
- Portable generators
- Submersible pumps
- Equipment storage container
- ERRS work crews and subcontractor work crews
- START sampling contractor
- Security subcontractor personnel
- Heavy equipment
- Water truck
- Street sweeper
- Mixing box
- Frac (water) tanks
- Pressure wash trailer
- Bypass pumps & piping
- Sheet piling
- Mobile wastewater treatment plant
- Monitoring Equipment
- Traffic control structures & roadway signage
- Mobile light towers

## 2.4 Finance Section

### 2.4.1 Narrative

See table

### Estimated Costs \*

|                         | Budgeted | Total To Date | Remaining | % Remaining |
|-------------------------|----------|---------------|-----------|-------------|
| <b>Extramural Costs</b> |          |               |           |             |

|                           |                 |                |                |        |
|---------------------------|-----------------|----------------|----------------|--------|
| ERRS - Cleanup Contractor | \$10,289,265.00 | \$8,019,072.00 | \$2,270,193.00 | 22.06% |
| TAT/START                 | \$400,000.00    | \$362,507.00   | \$37,493.00    | 9.37%  |
| <b>Intramural Costs</b>   |                 |                |                |        |
|                           |                 |                |                |        |
| <b>Total Site Costs</b>   | \$10,689,265.00 | \$8,381,579.00 | \$2,307,686.00 | 21.59% |

\* 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

Craig Thomas, Paul Ruesch and Andrew Maguire serve as safety officer(s). The HASP is reviewed and signed by all site personnel. All new personnel, including sub-contractors, are provided a site orientation and safety briefing. Safety meetings are held each morning with all site workers.

### 2.6 Liaison Officer

Craig Thomas, Paul Ruesch and Andrew Maguire serve as liaison(s) with local officials and interested parties.

A tour of the SA1-C excavation area was provided to approximately 20 students and professors from Grand Valley State University and Western Michigan University on July 8.

### 2.7 Information Officer

See Section 2.6

#### 2.7.1 Public Information Officer

See Section 2.6

#### 2.7.2 Community Involvement Coordinator

Don DeBlasio - U.S. EPA

## 3. Participating Entities

### 3.1 Unified Command

N/A

### 3.2 Cooperating Agencies

U.S. Environmental Protection Agency  
Michigan Department of Environmental Quality  
Michigan Department of Agriculture and Rural Development  
Michigan Department of Natural Resources  
U.S. Fish and Wildlife Service  
City of Kalamazoo:  
    Department of Public Services  
    Parks and Recreation Department  
    Economic Development Department  
    Community Planning & Development  
    Public Safety Department  
    Fire Department  
    Police Department  
    Redevelopment Department  
Bronson Methodist Hospital  
Kalamazoo Nature Center

## 4. Personnel On Site

U.S. EPA - 2  
START contractor (Weston Solutions) - 1  
ERRS contractor (Environmental Quality Management, Inc) - 11  
Baker Pumps - 2  
Fulton Trucking - 2  
Matt's Underground Utility Construction - 5

TOTAL PERSONNEL = 23

## 5. Definition of Terms

C&D - Construction and Demolition (waste)  
ERRS - Emergency and Rapid Response Services  
FOSC - Federal On Scene Coordinator  
U.S. FWS - United States Fish and Wildlife Service  
HASP - Health and Safety Plan  
mg/kg - milligrams per kilogram  
mg/m<sup>3</sup> - milligrams per cubic meter  
MDARD - Michigan Department of Agriculture and Rural Development  
MDEQ - Michigan Department of Environmental Quality

NA - Not Applicable  
NOAA - National Oceanic and Atmospheric Administration  
NPL - National Priorities List  
NRDA - Natural Resource Damage Assessment  
PCB - polychlorinated biphenyl  
ppm - parts per million  
PRPs - Potentially Responsible Parties  
RTK GPS - Real Time Kinematic Global Positioning System  
SA - Slope Area  
START - Superfund Technical Assessment and Response Team  
U.S. EPA - United States Environmental Protection Agency

## **6. Additional sources of information**

### **6.1 Internet location of additional information/report**

See the project website at <http://www.epaosc.org/portagecreekarea>.

### **6.2 Reporting Schedule**

The next POLREP will be generated on July 19.

## **7. Situational Reference Materials**

See the project website at <http://www.epaosc.org/portagecreekarea>.

Additional information on the overall Kalamazoo River Project can be found at <http://www.epa.gov/Region5/cleanup/kalproject/index.htm>.