

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #32  
Progress  
Portage Creek Area  
059B05  
Kalamazoo, MI  
Latitude: 42.2839750 Longitude: -85.5791570

**To:** Sam Borries, U.S. EPA  
Jason El-Zein, U.S. EPA  
John Maritote, U.S. EPA  
Mike Ribordy, U.S. EPA  
Mark Mills, Michigan DNR  
Daria Devantier, MDEQ  
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:** 8/2/2013

**Reporting Period:** 7/20/2013 - 8/2/2013

**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**

Contaminated sediment removal and backfilling operations were completed in SA1C&B. Mobilization of equipment, supplies and materials along with limited site preparations began in SA1A.

**2.1.2 Response Actions to Date**

From July 20 to August 2, EPA and ERRS contractors conducted the following activities:

Site Activities - John Street Staging Area

- Treated 45,987 gallons of potentially contaminated contact water in EPA's mobile wastewater treatment plant, for a total of 1,037,650 gallons treated to date;
- Received contaminated sediments excavated from SA1C&B;

- Loaded out approximately 1980 tons of non-TSCA contaminated sediments for transport and disposal to approved landfill facilities; and
- Conducted work area perimeter air monitoring for dust.

#### Site Activities - SA1A

- Removed existing ornamental vegetation in SA1A staging area;
- Eradicated Japanese Knotweed colony on west bank; and
- Began construction of SA1A staging area;

#### Site Activities - SA1B&C

- Completed contaminated sediment removal operations in grids SA1C-5 (floodplain);
- Completed contaminated sediment dredging operations in SA1B-4;
- Loaded out excavated sediments and transported to John Street staging pad;
- Backfilled grids SA1C-5 and SA1B-4 according to Restoration Plan;
- Began removing equipment, materials and supplies from staging area; and
- Conducted work area perimeter air monitoring for dust.

<b>GRID</b>	<b>TOTAL ESTIMATED EXCAVATION DEPTH (in)</b>	<b>FINAL CONFIRMATION PCB RESULT (mg/kg)</b>
SA1C-5	44	0.53
SA1B-4	27	1.7

ND: non-detect    dup: duplicate sample location

#### Project Management Activities

- Continued weekly progress meetings with City of Kalamazoo, including property owners upon request;
- Posted signage indicating pending trail closure along Kalamazoo River Valley Trail adjacent to SA1A;
- Conducted pre-construction sampling in the SA1A staging area;
- Conducted post-construction topographic surveys in SA5A and SA3A;
- Coordinated with Consumer's Energy for temporary removal or relocation of electrical infrastructure necessary for accessing SA1B and SA1A;
- Coordinated with Michigan DOT regarding access to Veteran's Park from Michigan Avenue for heavy equipment;
- Coordinated with the City of Kalamazoo Parks & Recreation Department, Kalamazoo County, and Sunrise Rotary regarding temporary removal of ornamental plants in Veteran's Park;
- Completed amended Technical Memo for dredging operations in SA1B&C (posted to website); and
- Reviewed findings from Indiana Bat presence/absence survey in SA1B & SA1A in coordination with U.S. FWS.

#### **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	1980 tons	NTSCA-310 to NTSCA-349	disposal	C&C Landfill, Marshall, MI

## 2.2 Planning Section

A summary of removal activities that are anticipated to take place from August 3 to August 16 include:

### Site Activities - John Street Staging Area

- Continue treatment of contact water from the staging pad sump with mobile wastewater treatment plant;
- Load out TSCA contaminated sediments for transport and disposal at approved landfill facilities; and
- Conduct work area perimeter air monitoring for dust.

### Site Activities - SA1A

- Conduct clearing & grubbing of vegetation on east and west banks;
- Complete construction and securing of staging area;
- Begin installation of isolation (groundwater) de-watering system; and
- Begin installation of creek bypass pump system.

### Site Activities - SA1B & SA1C

- Demobilize all equipment, materials and supplies to SA1A or SA1B staging areas; and
- Conduct temporary restoration activities according to Restoration Plan.

### Project Management Activities

- Continue weekly progress meetings with City of Kalamazoo, including property owners upon request;
- Finalize area specific restoration plans for SA1B & SA1C;
- Begin development of area specific restoration plan for SA1A;
- Conduct post-construction sampling of staging area in SA1C; and
- Post trail detour signage and close riverfront trail and portions of Veteran's Park 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**

None

### **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 \***

	<b>Budgeted</b>	<b>Total To Date</b>	<b>Remaining</b>	<b>% Remaining</b>
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$10,289,265.00	\$8,678,000.00	\$1,611,265.00	15.66%
TAT/START	\$500,000.00	\$387,000.00	\$113,000.00	22.60%
<b>Intramural Costs</b>				
<b>Total Site Costs</b>	\$10,789,265.00	\$9,065,000.00	\$1,724,265.00	15.98%

\* 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 site tour was provided to MDEQ representatives on July 31.

### **2.7 Information Officer**

See Section 2.6

#### **2.7.1 Public Information Officer**

A press release was issued on July 31 relating to the anticipated early completion of the project in Fall 2013 as opposed to the originally targeted completion date of Summer 2014.

#### **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 - 3  
START contractor (Weston Solutions) - 1  
ERRS contractor (Environmental Quality Management, Inc) - 10  
Fulton Trucking - 3

TOTAL PERSONNEL = 17

### **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 August 16.

## **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>.