

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region V

**Subject:** POLREP #12  
 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  
 Bruce Merchant, Kalamazoo City  
 Debbie Jung, Kalamazoo City  
 Lisa Williams, U.S. FWS  
 Todd Goeks, NOAA  
 Valencia Darby, Department of Interior  
 Mark Johnson, ATSDR

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

**Date:** 6/22/2012

**Reporting Period:** 6/9/2012 - 6/22/2012

## 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>	NA	<b>State Notification:</b>	Yes
<b>FPN#:</b>	NA	<b>Reimbursable Account #:</b>	NA

#### 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**

Dredging and backfilling operations were completed in SA6 (grids SA6-2 thru SA6-14). Site controls, supplies and equipment is being demobilized from this area will be removed by the end of June. Site preparation for dredging operations are underway along Axtell Creek, with dredging operations scheduled to begin in early July.

**2.1.2 Response Actions to Date**

From June 9 to June 22, EPA, START and ERRS contractors/sub-contractors conducted the following activities:

Site Activities - SA6

- Excavated and stabilized contaminated sediments from grids SA6-11 thru SA6-14;
- Completed post-excavation sampling in grids SA6-11 thru SA6-14 to confirm cleanup goals were met. All confirmatory sample results for SA6 were under the performance standard of 10 mg/kg. Two sample grid results were above the performance standard goal of 1 mg/kg. Eight grids required over-excavation from the original target dredge depths. One result for SA6-14 was pending from the laboratory at the time of this report and will be added to the table below once received;

<b>GRID</b>	<b>TOTAL EXCAVATION DEPTH (in)</b>	<b>CONFIRMATION PCB RESULT (mg/kg)</b>
SA6-2	30	0.62
SA6-3	30	0.775
SA6-4	30	< 0.130
SA6-5	36	0.875
SA6-6A	36	0.53
SA6-6B	42	0.654
SA6-7	36	0.654
SA6-8	30	3.75
SA6-9	36	1.54
SA6-10	42	0.888
SA6-11	42-54	0.54
SA6-12	42	0.72
SA6-13	30	0.256
SA6-14	36	at laboratory

- Completed backfilling in grids SA6-7 thru SA6-14;
- Removed all sheet pile coffer dams installed to isolate dredging areas;
- Removed groundwater de-watering systems;
- Began demobilization of site controls; and
- Conducted personnel air monitoring, stream turbidity, upstream/downstream water quality, noise level, and perimeter particulate monitoring in work areas with all results below action levels.
- Collected wipe samples from decontaminated equipment.

Site Activities - Staging Pad

- Received and further solidified contaminated sediments excavated from SA6;
- Loaded out 34 trucks of solidified sediments (PCB levels < 50ppm) for disposal at C&C Landfill in Marshall, MI;
- Loaded out 6 trucks of solidified sediments (PCB levels > 50ppm) for disposal at Wayne Disposal in Belleville, MI; final weight for one load was not received from the disposal facility at the time of this report so it's weight was estimated; the progress metrics table (Section 2.4) will be updated once final weight is received received, and
- Treated 33,530 gallons of contaminated drainage water in EPA's mobile wastewater treatment system, and collected effluent samples.

Site Activities - Axtell Creek

- Removed large trees along south bank and brush on north bank of creek;
- Prepared work area on south bank of creek for heavy equipment staging; and
- Began installation of sheet pile coffer dams to isolate dredging area.

Site Activities - SA5D

- Removed large diseased and/or dead trees along east and west banks of Portage Creek south of Crosstown Parkway.

Project Management Activities

- Conducted update meetings with Kalamazoo City on site progress;
- Met with sub-contractor regarding tree plantings for SA7, SA6 and SA5;
- Conducted site tour of staging pad area with State natural resource trustees and Bronson Methodist Hospital officials to discuss future use of property once project is complete; and
- Conducted data validation for post-removal confirmation sediment samples collected from SA6.

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

The major PRP for this portion of the Allied Paper Inc./Portage Creek/Kalamazoo River Superfund site was dissolved through bankruptcy proceedings in April 2010. Other PRPs are being evaluated.

**2.1.4 Progress Metrics**

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Non-TSCA contaminated sediments	solidified sediment	1729.34 tons	NTSCA-045 to NTSCA-078	disposal	C&C Landfill, Marshall, MI
TSCA contaminated sediments	solidified sediment	423.51 tons (estimated)	009133424JJK to 009133427JJK & 009133429JJK	disposal	EQ Landfill, Belleville, MI

**2.2 Planning Section**

A summary of removal activities that will take place in the upcoming week(s) include:

Site Activities - Staging Pad

- Treat contaminated water in EPA's mobile waste water treatment plant.

Site Activities - SA6

- Complete removal of site controls (i.e., bypass pumping system, frac tanks, wheel wash, etc.) from work area; and
- Complete streambank stabilization activities;

Site Activities - Axtell Creek

- Install sheet pile coffer dams to isolate dredging area;
- Install bypass pumping system around excavation area; and
- Install all other site controls and mobilize in heavy equipment/materials to support dredging activities.

Site Activities - SA5D

- Install sheet pile coffer dams at the Lake Street and Crosstown Parkway bridges.

Project Management Activities

- Continue weekly progress meetings with City of Kalamazoo;
- Solicit bids for installation/operation of Portage Creek bypass pumping system to isolate dredging areas in SA5D&C;
- Solicit bids for installation/operation of Portage Creek groundwater dewatering system in SA5D&C; and
- Complete site-specific restoration plans for SA5, SA6, and SA7 for review by trustees.

**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 and hand-washing stations
- Portable generators
- Submersible pumps
- Equipment storage container
- ERRS work crews and subcontractor work crews
- START sampling contractor
- Heavy equipment
- Water truck
- Street sweeper
- Truck wash
- Mixing boxes
- Frac (water) tanks
- Pressure wash trailer
- Bypass pumps and piping
- Groundwater de-watering pumps, wells and piping
- Sheet piling

**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	\$4,700,000.00	\$2,327,864.00	\$2,372,136.00	50.47%
TAT/START	\$300,000.00	\$152,757.00	\$147,243.00	49.08%
<b>Intramural Costs</b>				

<b>Total Site Costs</b>	\$5,000,000.00	\$2,480,621.00	\$2,519,379.00	50.39%
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\* 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 and Paul Ruesch serve as safety officer(s). The HASP is reviewed and signed by all site personnel. All new personnel are provided a site orientation and safety briefing. Safety meetings are held each morning with all workers.

### 2.6 Liaison Officer

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

### 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  
ERRS contractor (Environmental Quality Management, Inc) - 14  
CMC (sheet pile sub-contractor to EQM) - 5  
Terra Contracting (excavation sub-contractor to EQM) - 1  
Total Tree Service (tree removal sub-contractor to EQM) - 6  
START contractor (Dynamac) - 1

Fulton Trucking (trucking sub-contractor to EQM) - 2  
 Advance Security - 1

TOTAL PERSONNEL = 30

## 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  
 HDPE - High density polyethylene (plastic)  
 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  
 ntu - nephelometric turbidity units  
 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 in approximately 2 weeks.

## 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>.