

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



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region V**

Subject: POLREP #13
 Progress
 Portage Creek Area
 059B05
 Kalamazoo, MI
 Latitude: 42.2839750 Longitude: -85.5791570

To: Sam Borries, U.S. EPA
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 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: 6/29/2012

Reporting Period: 6/23/2012 - 6/29/2012

1. Introduction

1.1 Background

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

Site controls, supplies and equipment were demobilized from SA6. Site preparation for dredging operations were completed in Axtell Creek with the installation of two sheet pile coffer dams and a bypass pumping system to divert creek flow around the dredging area. Dredging operations are scheduled to begin in Axtell Creek on July 10.

2.1.2 Response Actions to Date

From June 23 to June 29, EPA, START and ERRS contractors/sub-contractors conducted the following activities:

Site Activities - Staging Pad

- Constructed an off-road truck dumping ramp for contaminated sediments on south side of staging pad.

Site Activities - SA6

- Received confirmation sample result for grid SA6-14, result was non-detect (less than detection limit of 0.651 mg/kg) PCBs;
- Removed of site controls (i.e., bypass pumping system, frac tanks, wheel wash, heavy equipment, etc.);
- Removed work platform and returned west bank to pre-construction grade;
- Abandoned groundwater dewatering well borings with bentonite clay; and
- Cleaned pavement surfaces in City and School District parking lots.

Site Activities - Axtell Creek

- Installed 2 sheet pile coffer dams to isolate dredging area;
- Installed bypass pumping system around excavation area; and
- Installed other site controls and mobilized in heavy equipment/materials to support dredging activities.

Site Activities - SA5D

- Installed a sheet pile coffer dam at the Lake Street bridge;
- Constructed a bypass pumping staging pad west of Lake Street bridge; and
- Completed removal of large logs from tree removal operations in Upjohn Park.

Project Management Activities

- Continue weekly progress meetings with City of Kalamazoo;
- Bid evaluation for Portage Creek bypass pumping system to isolate dredging areas in SA5D&C;
- Bid solicitation for installation/operation of groundwater dewatering system in SA5D&C;
- Bid solicitation for clearing & grubbing activities on west bank of Portage Creek from Lake Street to Axtell Creek;
- Met with sub-contractor regarding restoration plans for SA5, SA6, and SA7; and
- Continued 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>

Shipping pallets	wood	100	none	NA	Holland Pallet
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2.2 Planning Section

Crews will not be working on site during the week of July 4 to avoid interruption of holiday activities in Upjohn Park. A summary of removal activities that will take place once crews return to the site on July 9th include:

Site Activities - Staging Pad

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

Site Activities - SA6

- Remove 30" bypass pumping system pipeline on east bank;
 - Remove empty clean water storage tank;
 - Restore rock ballast along railroad tracks; and
 - Complete west streambank stabilization activities.

Site Activities - Axtell Creek

- Commence contaminated sediment dredging;
 - De-water and solidify excavated sediments for transport; and
 - Begin transport of solidified sediments for disposal.

Site Activities - SA5D

- No work activities are anticipated in SA5D during the next reporting period.

Project Management Activities

- Continue weekly progress meetings with City of Kalamazoo;
 - Award contract for installation/operation of creek bypass pumping system in SA5D&C;
 - Award contract for installation/operation of 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

As indicated in POLREP 12, all post-excavation confirmatory sample results in grids in SA6 were under the performance standard of 10 mg/kg. However, initial confirmatory sampling results at target dredging depths in several grids (SA6-6B, SA6-7, SA6-8, SA6-9, SA6-10, SA6-11 and SA6-12) were above the performance standard goal of 1 mg/kg and required over-excavation as listed below (see table).

GRID	TARGET DEPTH (in)	INITIAL PCB RESULT (mg/kg)	OVERDIG (in)	TOTAL DEPTH (in)	CONFIRMATION PCB RESULT (mg/kg)
SA6-2	30	0.62	NA	30	NA
SA6-3	30	0.775	NA	30	NA
SA6-4	30	< 0.130	NA	30	NA
SA6-5	36	0.875	NA	36	NA
SA6-6A	36	0.53	NA	36	NA
SA6-6B	36	1.22	6	42	0.654
SA6-7	30	1.22	6	36	0.654
SA6-8	18	3.75	12	30	3.75

SA6-9	30	1.13	6	36	1.54
SA6-10	36	1.06	6	42	0.888
SA6-11	30	0.54	12-24	42-54	NA
SA6-12	30	0.72	12	42	NA
SA6-13	30	0.256	NA	30	NA
SA6-14	30	NA	6	36	< 0.651

Grid SA6-14 required immediate backfilling to ensure stability of an immediately adjacent isolation dam and was therefore over-excavated 6", sampled and backfilled without waiting 24 hours for initial confirmatory sampling results. Over-excavation has increased project costs in added expense for personnel, equipment, transportation, disposal, sampling and backfill material.

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) tank
- 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
Extramural Costs				
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%
Intramural Costs				
Total Site Costs	\$5,000,000.00	\$2,480,621.00	\$2,519,379.00	50.39%

* 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
 START contractor (Dynamac) - 1
 Fulton Trucking (trucking sub-contractor to EQM) - 2

TOTAL PERSONNEL = 24

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/m³ - 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>.