

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #11
Progress
Portage Creek Area
059B05
Kalamazoo, MI
Latitude: 42.2839750 Longitude: -85.5791570

To: Mark Mills, Michigan DNR
Daria Devantier, MDEQ
Debbie Jung, City of Kalamazoo
Lisa Williams, U.S. FWS
Todd Goeks, NOAA
Valincia Darby, Department of Interior

From: Craig Thomas, On-Scene Coordinator

Date: 6/8/2012

Reporting Period: 5/27/2012 - 6/8/2012

1. Introduction

1.1 Background

Site Number:	059B05	Contract Number:	EP-S5-08-02
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

A de-watering system was installed consisting of extraction wells along both creek banks which draw down the groundwater level from under the creek, thereby reducing water infiltration into the channel and allowing for drier dredging. Once the de-watering system was operational, dredging operations continued with contaminated sediment removal completed in grids SA6-7 to SA6-10, with backfill activities underway. Dredging and backfilling operations are still on track to be completed in SA6 by the end of June.

2.1.2 Response Actions to Date

From May 27 to June 8, EPA, START and ERRS contractors/sub-contractors conducted the following activities:

Site Activities - SA6

- Installed and initiated operation of a groundwater de-watering system in grids SA6-7 to SA6-14;

- Excavated and stabilized contaminated sediments from grids SA6-7, SA6-8, SA6-9 and SA6-10;
- Completed post-excavation sampling in grids SA6-7, SA6-8, SA6-9 and SA6-10 to confirm cleanup goals were met.
- Sampling results from the composite sample taken in grid SA6-7 were 1.22 mg/kg PCBs, which is under the performance standard of 10 mg/kg, but is above the performance standard goal of 1 mg/kg. Crews returned to this area and removed an additional 6" of sediment and another confirmatory sample was taken;
- Sampling results from the composite sample taken in grid SA6-8 were 3.77 mg/kg PCBs, which is under the performance standard of 10mg/kg, but above the performance standard goal of 1 mg/kg. Crews returned to this area and removed an additional 12" of sediment and another confirmatory sample will be taken;
- Sampling results from the composite sample taken in grid SA6-9 were 1.13 mg/kg PCBs, which is under the performance standard of 10 mg/kg, but is above the performance standard goal of 1 mg/kg. Crews returned to this area and removed an additional 6" of sediment and another confirmatory sample will be taken;
- Results from composite samples taken in grid SA6-10 were 1.06 mg/kg PCBs, which is under the performance standard of 10 mg/kg, but is above the performance standard goal of 1 mg/kg. Crews returned to this area and removed an additional 6" of sediment and another confirmatory sample will be taken;
- Backfilling was conducted in grid SA6-7, and will be completed to pre-excavation grade; and
- Personnel air monitoring, stream turbidity, noise level, and perimeter particulate monitoring continued in work areas with all results below action levels.

Site Activities - Staging Pad

- Received and further solidified contaminated sediments excavated from SA6;
- Loaded out 12 trucks of solidified sediments for disposal at the C&C Landfill in Marshall, MI; and
- Set up, test and began operation of EPA's mobile wastewater treatment system for treatment of drainage water.

Project Management Activities

- Conducted update meetings with Kalamazoo City on site progress;
- Provided a presentation at a public meeting held on May 31;
- Responded to U.S. FWS and NRDA Trustee comments regarding the Restoration Plan;
- Began planning for mobilization along Axtell Creek for dredging operations (expected to begin in early July);
- Requested bids to remove large, diseased and dead trees from SA5 and Axtell Creek corridors which will interfere with dredging operations; 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	623.96 tons	NTSCA-033 to NTSCA-044	disposal	C&C Landfill, Marshall, MI

2.2 Planning Section

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

Site Activities - Staging Pad

- Receive, de-water and load out contaminated sediments excavated from SA6 for disposal; and
- Contaminated water treatment in EPA's mobile waste water treatment plant.

Site Activities - SA6

- Complete excavation, solidification and transport of contaminated sediments;
- Complete stream channel and streambank restoration activities (backfilling, streambank stabilization); and
- Continue turbidity, noise, perimeter and personnel air monitoring near site activities.

Site Activities - Axtell Creek

- Remove large trees that will interfere with dredging operations;
- Prepare work area on south bank of creek for heavy equipment staging; and
- Install sheet piling for coffer dams near the John Street culvert and the confluence with Portage Creek;

Project Management Activities

- Continue weekly progress meetings with City of Kalamazoo;
- Complete site-specific restoration plans for SA5, SA6, and SA7 for review by trustees; and
- Request bids for Axtell Creek bypass pumping system.

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

No information available at this time.

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

Craig Thomas participated in a public meeting on May 31. An updated Fact Sheet was distributed and a presentation was given on the project status. The Fact Sheet and presentation are posted in the 'documents' section of the website.

2.7.1 Public Information Officer

See Section 2.7

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
Terra Contracting (subcontractor to EQM) - 1
Rain 4 Rent (subcontractor to EQM) - 2
START contractor (Dynamac) - 1
Fulton Trucking - 2
Advance Security - 1

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
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>.