

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

From: Craig Thomas, On-Scene Coordinator

Date: 6/22/2012

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

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

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;

GRID	TOTAL EXCAVATION DEPTH (in)	CONFIRMATION PCB RESULT (mg/kg)
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 5 trucks of solidified sediments (PCB levels > 50ppm) for disposal at Wayne Disposal in Belleville, MI;
- 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	1739.34 tons	NTSCA-045 to NTSCA-078	disposal	C&C Landfill, Marshall, MI
TSCA contaminated sediments	solidified sediment	221.46 tons	009133424JJK to 009133427JJK & 009133429JJK	disposal	Wayne Disposal, 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

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

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/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>.