

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #9
Progress
Portage Creek Area
059B05
Kalamazoo, MI
Latitude: 42.2839750 Longitude: -85.5791570

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From: Craig Thomas, On-Scene Coordinator

Date: 5/12/2012

Reporting Period: 4/30/2012 - 5/12/2012

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

Crews continued mobilizing equipment and materials to the SA6 dredging area. A large bypass pumping system was constructed, installed and tested to route the creekwater flow around the dredging area. The first section of 3 sheet pile coffer dams began to isolate dredging areas between Stockbridge Avenue and Lake Street. Dredging operations are expected to begin in SA6 by the end of the month.

2.1.2 Response Actions to Date

From April 30 to May 12, U.S. EPA, START and ERRS contractors/sub-contractors conducted the following activities:

Site Activities - Staging Pad

- Shipped 3 loads of C&D debris (88.72 tons, ~130 yds) from staging pad to C&C Landfill in Marshall; and
- Received and staged coir logs for restoration activities along creek edge.

Site Activities - SA6

- Secured Lake Street entrance with temporary gate;
- Installed "Trucks Entering Highway" signs east and west of Stockbridge Avenue entrance;
- Created support and first aid area for work crews;
- Installed additional environmental controls in and around work area (silt fence, silt curtain, sand bags, geotextile in storm drains);
- Mobilized equipment (i.e. 2 24" pumps, wheel loader, fuel tanks), controls (i.e. sound dampening curtains, containment mat for fuel tanks) and materials (HDPE pipe) for bypass dewatering system;
- Excavated and stabilized sediment in creek bed to create sump for bypass dewatering pump intakes;
- Cleared and grubbed additional trees on east bank of creek to support 30" HDPE pipe;
- Fusion welded and installed over 950' of 30" HDPE pipe for bypass dewatering system;
- Installed gabion baskets to diffuse bypass system discharge at Lake Street bridge;
- Tested by pass pumping system (primary and backup pumps);
- Installed 6" sump pump at parking lot drain from Lake Street Barn parking lot;
- Installed first section of sheet piling near bypass pump at Stockbridge Avenue; and
- Conducted work area perimeter air monitoring. Results continue to be below the action level of an average of 2.5 mg/m3 sustained for 1 minute.

Project Management Activities

- Conducted weekly update meetings with Kalamazoo City on site progress;
- Provided a site tour to natural resource representatives from MDEQ, U.S. FWS, and NOAA which included the completed SA7 excavation area and site preparations for dredging in SA6;
- Contracted with railway to maintain a flagger along railroad to ensure worker safety during bypass pumping system pipeline installation;
- Conducted door to door outreach to residents near the Stockbridge Avenue bridge regarding noise generation from creek bypass pumping system;
- Met with ecological consultant to identify Japanese Knotweed in SA6;
- Consulted MDARD for procedure to eradicate Japanese Knotweed identified in SA6;
- Conducted pre-excavation video survey along creek banks in SA5;
- Conduct data validation for post removal construction soil samples collected from SA7;
- Secured wet dredge and dewatering contract; and
- Finalized SA6 technical memorandum revision #2.

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>
C&D Debris	solid waste	88.7 tons	1403353, 1403387, 14033497,	Disposal	Subtitle D Landfill

2.2 Planning Section

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

Site Activities - Staging Pad

- Receive, dewater and load out contaminated sediments removed from SA6 for disposal; and
- Stage, maintain and support heavy equipment, materials and supplies for dredging operations.

Site Activities - SA6

- Complete installation of remaining sheet piling to isolate 3 dredging areas;
- Continue to construct working surface along creek banks to support dredging equipment;
- Construct sand bag coffer dam at Lake Street bridge;
- Start up bypass pumping system to divert creekwater around dredging area;
- Begin sediment excavation, solidification and transport of contaminated sediments from first isolation area; and
- Continue perimeter and personnel air monitoring near site activities.

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;
- Finalize plans to mobilize contractor for restoration activities after dredging operations are complete;
- Finalize plans for installation of creek de-watering system for second dredging area; and
- Complete needed repairs, mobilize and set up U.S. EPA's mobile water treatment system at John Street staging area for treatment of staging pad drainage water.

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
- 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	\$1,420,800.00	\$3,279,200.00	69.77%
TAT/START	\$300,000.00	\$120,000.00	\$180,000.00	60.00%
Intramural Costs				
Total Site Costs	\$5,000,000.00	\$1,540,800.00	\$3,459,200.00	69.18%

* 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, U.S. EPA FOSCs, are serving as safety officer(s).

The HASP is reviewed and signed by all site personnel. All new personnel arriving on site are provided a site orientation and safety briefing. Safety meetings are held each morning with all workers to ensure safe daily operations.

2.6 Liaison Officer

Craig Thomas and Paul Ruesch, U.S. EPA FOSCs, are serving as liaison(s) with local officials and any other 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) - 6
CMC (subcontractor to EQM) - 6
Rain 4 Rent (subcontractor to EQM) - 4
START contractor (Weston/Dynamac) - 1

5. Definition of Terms

C&D - Construction and Demolition (waste)
ERRS - Emergency and Rapid Response Services
FOOSC - 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
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>.