

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #27
Progress
Portage Creek Area
059B05
Kalamazoo, MI
Latitude: 42.2839750 Longitude: -85.5791570

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From: Craig Thomas, On-Scene Coordinator

Date: 5/23/2013

Reporting Period: 5/11/2013 - 5/23/2013

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.:		State Notification:	Yes
FPN#:		Reimbursable Account #:	

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

Backfilling operations were completed in SA5A. Contaminated sediments removed from SA5A were loaded out and hauled to approved disposal facilities. Preparations for contaminated sediment removal operations were completed in SA3A. Excavation will begin after Memorial Day.

2.1.2 Response Actions to Date

From May 11 to May 23, EPA and ERRS contractors conducted the following activities:

Site Activities - John Street Staging Area

- Solidified and loaded out 587.31 tons of TSCA (> 50ppm PCBs) contaminated sediments for disposal at

Wayne Disposal landfill in Belleville, Michigan;

- Solidified and loaded out 504.19 tons of non-TSCA (< 50ppm PCBs) contaminated sediments for disposal at C&C Landfill in Marshall, Michigan;
- Completed repairs on EPA's mobile wastewater treatment plant; and
- Continued work area perimeter air monitoring for dust.

Site Activities - SA5A

- Dismantled and demobilized all engineering controls and water control systems around excavation area;
- Conducted post-construction soil sampling in staging area;
- Re-opened Dutton Street bridge to vehicle traffic; and
- Initiated temporary restoration activities.

Site Activities - SA3A

- Mobilized pumps and completed construction of creekwater bypass pumping system;
- Constructed additional perimeter fencing and site engineering controls;
- Installed sheet pile coffer dams; and
- Installed and started up isolation (groundwater) dewatering system.

Site Activities - SA1B&C

- Began mobilizing discharge piping for construction of bypass pumping system.

Project Management Activities

- Continued weekly progress meetings with City of Kalamazoo, including property owners upon request;
- Completed draft area specific restoration plan for SA5A and shared with property owners for approval;
- Continued development of draft area specific restoration plans in SA3A, SA1B & SA1C; and
- Continued development of draft Technical Memo for dredging operations in SA1B & SA1C.

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

See POLREP #1

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
TSCA contaminated sediments	solidified sediment	587.31 tons	010588947JJK to 010588958JJK	disposal	Wayne Disposal, Belleville, MI
Non-TSCA contaminated	solidified sediment	504.19 tons	NTSCA-251 to	disposal	C&C Landfill, Marshall, MI

sediments			NTSCA-260		
C&D Debris	solid waste	30 tons (est)	NTSCA-227D	disposal	C&C Landfill, Marshall, MI

2.2 Planning Section

A summary of removal activities that are anticipated to take place from May 25 to June 7 include:

Site Activities - John Street Staging Area

- Continue treatment of contact water from the staging pad sump with mobile wastewater treatment plant; and
- Receive excavated sediments from SA3.

Site Activities - SA5A

- Re-install permanent fencing around excavation area; and
- Complete temporary restoration activities pending approval of restoration plan.

Site Activities - SA3A

- Maintain engineering and environmental monitoring/controls around excavation area;
- Excavate and backfill floodplain area (grid #SA3A-3); and
- Continue stockpiling backfill materials.

Site Activities - SA1B & SA1C

- Begin construction of bypass pump system discharge pipelines.

Project Management Activities

- Continue weekly progress meetings with City of Kalamazoo, including property owners upon request;
- Continue development of area specific restoration plans in SA3A, SA1B & SA1C;
- Review pre-sediment removal structure feature assessment report for SA1B, SA1C & SA1A;
- Obtain consent to access from remaining property owners in SA1A; and
- Continue planning for removal operations in SA1C & SA1B.

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

Heavy rainfall resulting in flood conditions within the SA5A excavation area delayed removal and backfill activities. Weather-related delays are resulting in elevated fuel costs in both creek bypass and isolation (ground water) de-watering pump systems.

2.3 Logistics Section

The current resources present on site during this reporting period include:

- Office trailers
- Portable restrooms & hand-washing stations
- Portable generators
- Submersible pumps
- Equipment storage container
- ERRS work crews and subcontractor work crews
- START sampling contractor
- Security subcontractor personnel
- Heavy equipment
- Water truck
- Street sweeper
- Mixing box
- Frac (water) tanks
- Pressure wash trailer
- Bypass pumps & piping
- Sheet piling
- Mobile wastewater treatment plant
- Monitoring Equipment
- Traffic control structures & roadway signage
- Mobile light towers

2.4 Finance Section

2.4.1 Narrative

See table

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$10,289,265.00	\$7,218,000.00	\$3,071,265.00	29.85%
TAT/START	\$400,000.00	\$334,000.00	\$66,000.00	16.50%
Intramural Costs				
Total Site Costs	\$10,689,265.00	\$7,552,000.00	\$3,137,265.00	29.35%

* 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, Paul Ruesch and Andrew Maguire serve as safety officer(s). The HASP is reviewed and signed by all site personnel. All new personnel, including sub-contractors, are provided a site orientation and safety briefing. Safety meetings are held each morning with all site workers.

2.6 Liaison Officer

Craig Thomas, Paul Ruesch and Andrew Maguire 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 - 3
START contractor (Dynamac) - 1
ERRS contractor (Environmental Quality Management, Inc) - 11
Bypass pump contractor (Baker Corporation) - 3
Dewatering contractor (Rain for Rent) - 3
Sheet pile contractor (Jackson & Merkey) - 3

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 on June 7.

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>.