

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #26
Progress
Portage Creek Area
059B05
Kalamazoo, MI
Latitude: 42.2839750 Longitude: -85.5791570

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From: Craig Thomas, On-Scene Coordinator

Date: 5/10/2013

Reporting Period: 4/27/2013 - 5/10/2013

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.:		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

Contaminated sediment removal and backfilling activities resumed in SA5A after delays due to heavy rainfall and flooding. Construction of the creek bypass pump system continued and support equipment/materials were moved from SA5A to SA3A in preparation for excavation operations.

2.1.2 Response Actions to Date

From April 27 to May 10, EPA and ERRS contractors conducted the following activities:

Site Activities - John Street Staging Area

- Solidified and loaded out 1167.29 tons of non-TSCA (< 50ppm PCBs) contaminated sediments for disposal at C&C Landfill in Marshall, Michigan;
- Treated 10,500 gallons of potentially contaminated contact water in EPA's mobile wastewater treatment plant, for a total of 841,362 gallons treated to date; and
- Continued work area perimeter air monitoring for dust.

Site Activities - SA5A

- Maintained engineering controls and water control systems around excavation area;
- Continued work area perimeter air monitoring for dust;
- Completed contaminated sediment dredging operations in grids SA5A-3 to SA5A-6; and
- Loaded out contaminated sediments and transport to John Street staging pad; and
- Completed backfilling in grids SA5A-1 to SA5A-2 according to Restoration Plan.

GRID	TOTAL ESTIMATED EXCAVATION DEPTH (in)	FINAL CONFIRMATION PCB RESULT (mg/kg)
SA5A-3	63	1.59
SA5A-4	62	0.83
SA5A-5	63	1.07
SA5A-6	63	0.90

ND: non-detect dup: duplicate sample location

Site Activities - SA3A

- Mobilized pumps and continued construction of creekwater bypass pumping system;
- Began mobilizing support equipment and materials from SA5A to SA3A staging area;
- Constructed additional perimeter fencing and site controls; and
- Began preparations for installation of sheet pile coffer dams and isolation (groundwater) dewatering system.

Site Activities - SA1B&C

- Removed scrap metal debris; and
- Coordinated with AT&T for removal of communications wires from trees in creek channel.

Project Management Activities

- Continued weekly progress meetings with City of Kalamazoo, including property owners upon request;
- Hosted a tour for 20 Kalamazoo River Institute for Journalism & Natural Resources representatives;
- Conducted pre-excavation surveying in SA1A;
- Conducted pre-excavation confirmation sediment core sampling in SA1C, SA1B and SA1A;
- Continued development of draft area specific restoration plans in SA5A, SA3A, SA1B & SA1C;
- Finalized revisions to Soil Erosion and Sediment Control Plan (posted to website);
- Conducted pre-construction removal structure feature assessment in SA1C, SA1B and SA1A; 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>
Scrap metal	scrap	2 tons	NA	recycling	Omnisource
Non-TSCA contaminated sediments	solidified sediment	1167.29 tons	NTSCA-229 to NTSCA-250	disposal	C&C Landfill, Marshall, MI

2.2 Planning Section

A summary of removal activities that are anticipated to take place from May 11 to May 24 include:

Site Activities - John Street Staging Area

- Continue treatment of contact water from the staging pad sump with mobile wastewater treatment plant; and
- Continue load out solidified sediments for transport and disposal at approved landfill facilities.

Site Activities - SA5A

- Complete backfilling of grids SA5A-3 to SA5A-6;
- Dismantle and remove all engineering controls and water control systems around excavation area; and
- Complete temporary restoration activities pending approval of site-specific restoration plan.

Site Activities - SA3A

- Complete installation and maintain engineering controls and water control systems around excavation area;
- Establish staging area (wheel wash, frac tank, field trailer, light plants); and
- Begin stockpiling backfill materials.

Project Management Activities

- Continue weekly progress meetings with City of Kalamazoo and property owners upon request;
- Continue development of area specific restoration plans in SA5A, SA3A, SA1B & SA1C;
- 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

None

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	\$6,963,000.00	\$3,326,265.00	32.33%
TAT/START	\$400,000.00	\$322,000.00	\$78,000.00	19.50%
Intramural Costs				
Total Site Costs	\$10,689,265.00	\$7,285,000.00	\$3,404,265.00	31.85%

* 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) - 10
Baker Corporation - 3
Fulton Trucking - 3

TOTAL PERSONNEL = 20

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 May 24.

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>.

