

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Otsego Township Dam Area - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #19
Progress
Otsego Township Dam Area
059B
Otsego Township, MI
Latitude: 42.4601694 Longitude: -85.7199333

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Date: 7/7/2017

Reporting Period: 6/24/2017 - 7/7/2017

1. Introduction

1.1 Background

Site Number:	059B	Contract Number:	
D.O. Number:		Action Memo Date:	4/6/2016
Response Authority:	CERCLA	Response Type:	PRP Oversight
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	NPL	Operable Unit:	5
Mobilization Date:	8/1/2016	Start Date:	8/1/2016
Demob Date:		Completion Date:	
CERCLIS ID:	MID006007306	RCRIS ID:	
ERNS No.:		State Notification:	DEQ
FPN#:		Reimbursable Account #:	059B

1.1.1 Incident Category

Time Critical Removal Action - PRP Oversight

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

Riverbank re-construction was completed in BRSA 3. Excavation of contaminated riverbank soils and in-stream sediments continues in BRSA 4 along with riverbank restoration. The staging pad is under construction in BRSA 6.

2.1.2 Response Actions During Reporting Period

BRSA 3

- Transport/disposal of approximately 70 tons of excavated soils to an EPA-approved landfill facility (see Section 2.1.4);

- Completed river bank re-construction;
- Removed of stabilization pad; and
- Demobilized equipment & construction materials.

BRSA 4

- Excavation of contaminated soils continues with excavation completed in Grids 21-24. There are 50 total grids in BRSA 4, with each grid consisting of approximately 50 lineal feet of riverbank. The target clean-up goal in the riverbank soils is 5 mg/kg total PCBs;
- Excavation of contaminated in-stream sediments completed in one of two 'stream tubes' in BRSA 4, which is located within the river channel immediately adjacent to Grids 15-24. The target clean-up goal for in-stream sediments is 1 mg/kg total PCBs;

The final excavation depths and reported confirmation sampling results are found in the tables below for riverbank grids (Table 1) and in-stream sediments (Table 2):

BRSA 4 RIVERBANK GRID	TOTAL ESTIMATED EXCAVATION DEPTH (in)	FINAL CONFIRMATION TOTAL PCBs RESULT (mg/kg)
21	36	ND
22	36	ND
23	36	0.077
24	36	0.07
<i>Table 1. BRSA 4 Riverbank Grid Confirmatory Sampling Results</i>		

BRSA 4 STREAM TUBE GRID*	TOTAL ESTIMATED EXCAVATION DEPTH (in)	FINAL CONFIRMATION TOTAL PCBs RESULT (mg/kg)
21	6	0.20
22	6	0.19
23	6	0.78
24	12	0.32
<i>Table 2. BRSA 4 Stream Tube Confirmatory Sampling Results</i>		

Table Notes: Confirmatory sampling takes place immediately following excavation of contaminated soils and/or sediments in accordance with procedures outlined in the FSP and the TM for BRSA 4, 5, 6 & 9. Both documents can be found in the 'Documents' Section of the project website. Stream Tube grids are numbered consistent with the riverbank grid they are located adjacent to. A figure showing the location of both riverbank grids and stream tubes can be found on Figure 8 of the BRSA 4, 5, 6 & 9 TM.

- Transport/disposal of approximately 530 tons of excavated soils to an EPA-approved landfill facility (see Section 2.1.4).

BRSA 6

- Construction of staging area and stabilization pad;
- Mobilized supporting equipment into staging area; and
- Completed widening of roads to improve access to riverbanks.

OVERALL SITE

- Daily particulate monitoring (PM10) around the site perimeter with no sustained exceedance off site of particulates above the action level of 1.5 mg/m3;
- Turbidity control measures and monitoring in Kalamazoo River around the BRSA 3 - 9 excavation area (1 upstream monitor and 2 downstream monitors), with no sustained exceedance of the action level of 50 NTUs above upstream levels;
- Treatment of approximately 45,300 gallons of contact water from contaminated grids and contaminated soils staging pads in the on-site WWTPs located in BRSA 3 and BRSA 4 (see Section 2.1.4). Sampling results from both WWTPs continue to confirm non-detect levels for total PCBs in treated water;
- Mussel relocation activities were completed in BRSA 7 & 8. Approximately 500 threatened mussels were inventoried, measured, tagged and moved to an adequate area upstream and outside the work area;
- Check up on mussel colony relocated last year, with a very low mortality rate observed (approximately 3%); and
- Monitoring of the temporary WCS.

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

See PolRep #1

2.1.4 Progress Metrics

Both quantities during the reporting period ('Quantity' column) and totals to date ('Total' column) are included in the table.

Waste Stream	Medium	Quantity	Total	Manifest #	Treatment	Disposal
Cardboard	solid	50 lbs	780 lbs	NA	recycling	Otsego Recycling Center
Plastic	solid	25 lbs	275 lbs	NA	recycling	Otsego Recycling Center

Steel	solid	20 lbs	9240 lbs	various	recycling	Broken Arrow Recycling
Contaminated soil (< 50 ppm* PCBs)	solid	600 tons (est)	12,184 tons (est)	various	disposal	Republic Ottawa County Farms Landfill, Coopersville, MI
Contaminated soil (> 50 ppm* PCBs)	solid	0 tons	103.91 tons	various	disposal	US Ecology Michigan, Belleville, MI
Contact water	liquid	45,300 gal	504,612 gal	NA	on-site WWTP	On-site reuse/discharge to Kalamazoo River

*Note: 1 ppm = 1 mg/kg

2.2 Planning Section

2.2.1 Anticipated Activities

During the next reporting period, the following activities are expected to occur:

BRSA 3

- Decommission and demobilize WWTP along with other equipment from staging area.

BRSA 4

- Continue excavation of contaminated riverbank soils and in-stream sediments;
- Restore excavated river bank and in-stream sediment areas;
- Treat contact water from contaminated grids and contaminated soils staging pad; and
- Transport contaminated soils and sediments for disposal.

BRSA 6

- Complete construction of staging area and stabilization pad; and
- Mobilize and construct WWTP; and
- Mobilize supporting equipment into staging area;

SITEWIDE

- Operate dust and turbidity control/monitoring systems; and
- Maintain/monitor temporary WCS.

2.2.1.1 Planned Response Activities

See Sections 2.2.1 & 2.2.1.2

2.2.1.2 Administrative Activities / Next Steps

- The draft TM for BRSA 7 & 8 continues under review, with comments due by July 24.

2.2.2 Issues

Productivity was impacted by the July 4th holiday as work was paused for several days.

2.3 Logistics Section

See PolRep #1

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

A safety meeting is held prior to work start each day. The meeting is led by on-site safety officer(s) from Envirocon & AMEC-FW.

2.5.2 Liaison Officer

2.5.3 Information Officer

A flyer was distributed door to door announcing a community meeting planned for July 26 from 6:00pm to 8:00pm at the Otsego City Hall to update project neighbors on work progress and plans for the remainder of 2017.

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

See PolRep #1

4. Personnel On Site

On average, the following personnel were present on site during the reporting period:

US EPA - 1
START - 1
Michigan DNR - 1
Michigan DEQ - 1
Envirocon: 35
AMEC-FW: 2
Spicer Group: 1
Environmental Solutions & Innovation, Inc. - 5

TOTAL: 47

5. Definition of Terms

AMEC-FW	AMEC Foster Wheeler
BRSA	Bank Removal and Stabilization Area
FSP	Field Sampling Plan
GC	General Contractor
mg/kg	milligrams per kilogram
MDEQ	Michigan Department of Environmental Quality
MDNR	Michigan Department of Natural Resources
MDOT	Michigan Department of Transportation
OSC	On Scene Coordinator
PCBs	Poly-chlorinated biphenyls
PolRep	Pollution Report
ppm	parts per million
PRP	Potentially Responsible Party
START	Superfund Technical Assessment & Response Team (US EPA contractor)
TM	Technical Memorandum
US EPA	United States Environmental Protection Agency
WCS	Water Control Structure
WWTP	Waste Water Treatment Plant

6. Additional sources of information

6.1 Internet location of additional information/report

<http://www.epaosc.org/otsegodam>

www.epa.gov/superfund/allied-paper-kalamazoo

6.2 Reporting Schedule

The next PolRep will be generated on July 21.

7. Situational Reference Materials

No information available at this time.