

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #22
Progress
Otsego Township Dam Area
059B
Otsego Township, MI
Latitude: 42.4601694 Longitude: -85.7199333

To: Douglas Ballotti, EPA
Samuel Borries, EPA
Mike Ribordy, EPA
Jim Saric, EPA
Mark Mills, MDNR
Polly Synk, MDAG
Cyndi Trobeck, City of Otsego
Valincia Darby, U.S. DOI

From: Paul Ruesch, OSC

Date: 8/18/2017

Reporting Period: 8/5/2017 - 8/18/2017

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

Excavation of contaminated riverbank soils and in-stream sediments along with restoration are near completion in BRSA 4. Removal operations are underway in BRSA 6. The staging area is under construction in BRSA 9.

2.1.2 Response Actions During Reporting Period

BRSA 4

- Excavation of contaminated soils continues. Excavation was completed in riverbank grid 46 but confirmation sampling results

are yet to be received; and

- Completed backfilling, grading and stabilization of residential property riverbank adjacent to grids 47-51.

BRSA 6

- Excavation of contaminated soils continues with excavation completed and confirmation results received in riverbank grids 1-5. There are 54 total grids in BRSA 6, with each grid consisting of approximately 50 lineal feet of riverbank. There are 4 stream tubes, with each stream tube varying in size. The target clean-up goal in the riverbank soils is 5 mg/kg total PCBs and in-stream sediments is 1mg/kg total PCBs;

- Applied treatment for invasive plant species; and

- Continued construction of sheet pile coffer dam systems to facilitate removal of riverbank soils and in-stream sediments (see photos).

Estimated excavation depths and confirmation sampling results are found below for riverbank grids in BRSA 6 (Table 1) and adjacent stream tube grids (Table 2):

BRSA 6 RIVERBANK GRID	TOTAL ESTIMATED EXCAVATION DEPTH (in)	FINAL CONFIRMATION TOTAL PCBs RESULT (mg/kg)
1	6	0.035
2	6	0.68
3	6	<0.052
4	6	0.09
5	12	<0.044
Table 1. BRSA 6 Riverbank Grid Confirmatory Sampling Results		

BRSA 6 STREAM TUBE	TOTAL ESTIMATED EXCAVATION DEPTH (in)	FINAL CONFIRMATION TOTAL PCBs RESULT (mg/kg)
17D-1	24	<0.03
17D-2	24	<0.033
17D-3	24	0.089
17D-4	24	0.048
17D-5	24	<0.034
Table 2. BRSA 6 Stream Tube Confirmatory Sampling Results		

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 (preliminary) riverbank grids and stream tubes can be found on Figure 8 of the BRSA 4, 5, 6 & 9 TM.

BRSA 9

- Began construction of staging area & stabilization pad; and

- Applied treatment for invasive plant species.

OVERALL SITE

- Transport/disposal of approximately 258 tons of excavated soils to an EPA-approved landfill facility (see Section 2.1.4).

- 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. Particulate monitors were moved to new locations as removal operations are underway in BRSA 6;

- 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 48,804 gallons of contact water from contaminated grids and contaminated soils staging pads in

the on-site WWTP located in BRSA 4 (see Section 2.1.4). Sampling results from the WWTP continues to confirm non-detect levels for total PCBs in treated water; 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	900 lbs	NA	recycling	Otsego Recycling Center
Plastic	solid	30 lbs	345 lbs	NA	recycling	Otsego Recycling Center
Steel	solid	20 lbs	9290 lbs	various	recycling	Broken Arrow Recycling
Contaminated soil (< 50 ppm* PCBs)	solid	258 tons (est)	16,557 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	48,084 gal	908,278 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 4

- Complete excavation of contaminated riverbank soils in grids 44-45 and in-stream soils from adjacent stream tube;
- Complete restoration of all excavated riverbank & in-stream sediment removal areas;
- Treat contact water from contaminated grids & contaminated soils staging pad; and
- Complete transport contaminated soils & sediments for disposal.

BRSA 6

- Continue excavation of contaminated riverbank soils & in-stream sediments;
- Complete installation of sand bag & sheet pile coffer dam systems;
- Treat contact water from contaminated grids & contaminated soils staging pad; and
- Transport contaminated soils & sediments for disposal.

BRSA 9

- Complete construction of staging area and stabilization pad;
- Continue transport of equipment, supplies and materials to staging area; and
- Establish access and construct coffer dam system to facilitate removal of stream tube(s) at Pine Creek confluence.

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

- AMEC-FW continues to hold meetings to resolve outstanding issues and concerns on the draft TM for BRSA 7 & 8.
- Discussions are underway with the Allegan County Drain Commission regarding the possible drawdown of Pine Creek to facilitate removal of contaminated in-stream sediments at the confluence of Pine Creek and the Kalamazoo River.

2.2.2 Issues

None

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

- Site tours were provided for 17 students from Western Michigan University and 3 representatives from the Otsego Historical Society on August 9.
- A community hospitality event for approximately 50 neighboring residents was held on 19th Street to raise awareness of safety issues on August 11.

2.5.3 Information Officer

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: 30
Milbocker & Sons, Inc.: 3
AMEC-FW: 3
Spicer Group: 2

TOTAL: 42

5. Definition of Terms

AMEC-FW	AMEC Foster Wheeler
BRSA	Bank Removal and Stabilization Area
FSP	Field Sampling Plan
mg/kg	milligrams per kilogram
MDEQ	Michigan Department of Environmental Quality
MDNR	Michigan Department of Natural Resources
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 September 1.

7. Situational Reference Materials

No information available at this time.