

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #20
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: 7/21/2017

Reporting Period: 7/8/2017 - 7/21/2017

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 continues in BRSA 4 along with riverbank restoration. The staging area continues under construction in BRSA 6.

2.1.2 Response Actions During Reporting Period

BRSA 3

- Demobilization of the WWTP from staging area and relocation into BRSA 6 staging area.

BRSA 4

- Excavation of contaminated soils continues with excavation completed and confirmation results received in Grids 29-38. 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;
- Began removal of sheet piling installed to facilitate excavation of stream tube adjacent to grids 15-24 (see photo); and
- Preparations for excavation of contaminated in-stream sediments are complete for the second 'stream tube' in BRSA 4, which is located within the river channel immediately adjacent to Grids 43-50. The target clean-up goal for in-stream sediments is 1 mg/kg total PCBs.

Estimated excavation depths and confirmation sampling results are found in the table below for riverbank grids (Table 1):

BRSA 4 RIVERBANK GRID	TOTAL ESTIMATED EXCAVATION DEPTH (in)	FINAL CONFIRMATION TOTAL PCBs RESULT (mg/kg)
29	36	0.30
30	36	0.28
31	24	<0.069
32	24	0.61
33	24	<0.060
34	24	<0.067
35	24	0.0851
36	24	0.071
37	24	<0.069
38	12	0.16

Table 1. BRSA 4 Riverbank Grid 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 riverbank grids and stream tubes can be found on Figure 8 of the BRSA 4, 5, 6 & 9 TM.

- Transport/disposal of approximately 1,629 tons of excavated soils to an EPA-approved landfill facility (see Section 2.1.4).

BRSA 6

- Continued construction of staging area and stabilization pad (see photos);
- Mobilization of WWTP into staging area; and
- Removed abutment at old bridge crossing.

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 90,318 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	20 lbs	800 lbs	NA	recycling	Otsego Recycling Center
Plastic	solid	10 lbs	285 lbs	NA	recycling	Otsego Recycling Center
Steel	solid	10 lbs	9250 lbs	various	recycling	Broken Arrow Recycling
Contaminated soil (< 50 ppm* PCBs)	solid	1,629 tons (est)	13,813 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	90,318 gal	594,930 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 and in-stream sediments;
- Continue restoration of 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;
- Complete construction of stabilization pad;
- Construct and test WWTP; and
- Commence excavation of contaminated riverbank soils and in-stream sediments.

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

- All comments on draft TM for BRSA 7 & 8 have been received and are being consolidated into a single, consolidated response to AMEC-FW.

2.2.2 Issues

Heavy rains and flooding delayed progress during the reporting period.

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

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
Milbocker & Sons, Inc.: 4
AMEC-FW: 2
Spicer Group: 1

TOTAL: 46

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 August 4.

7. Situational Reference Materials

No information available at this time.