

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #4
Progress
Otsego Township Dam Area
059B
Otsego Township, MI
Latitude: 42.4601694 Longitude: -85.7199333

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Date: 9/30/2016

Reporting Period: 9/15/2016 - 9/28/2016

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

Contractors are excavating contaminated sediments and bank soils in BRSA 1.

2.1.2 Response Actions to Date

The following activities took place during the reporting period:

- Excavation of contaminated soils with confirmation sampling results received from 12 grids in BRSA 1 (see

table below for results). There are approximately 40 total grids in BRSA 1, 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.

BRSA 1 GRID	TOTAL ESTIMATED EXCAVATION DEPTH (in)	FINAL CONFIRMATION TOTAL PCBs RESULT (mg/kg)
1	48	3.10
2	14	2.30
3	30	0.17
4	13	0.18
5	16	ND
6	21	0.49
7	21	0.34
8	12	0.51
9	13	0.14
10	12	0.24
11	8	0.064
12	11	0.032

ND = non-detect

Note: Confirmatory sampling takes place immediately following excavation of contaminated soils in accordance with procedures outlined in the 'Field Sampling Plan' and the 'Technical Memorandum' for BRSA 1. Both documents can be found in the 'Documents' Section of the project website.

- Staging of approximately 600 cubic yards of excavated soils for transport/disposal;
- Treatment of contact water from contaminated grids in the on site WWTP. Approximately 62,500 gallons were treated during the reporting period. Sampling results were received confirming non-detect levels for Total PCBs in treated water.
- Daily particulate monitoring (PM10) around the perimeter of BRSA 1 with no detections off site of particulates above the action level of 1.5 mg/m3;
- Turbidity control measures and monitoring in Kalamazoo River around the BRSA 1 excavation area (1 upstream monitor and 2 downstream monitors) with no sustained exceedance of the action level of 50 NTUs above upstream levels; and
- Mussel survey/relocation efforts were completed on September 23 in BRSA 1 - 4. A total of 670 live mussels (see photograph) were collected representing 8 species. All mussels were measured, tagged, and relocated to suitable habitat upstream of the M-89 bridge. Mussel survey/relocation efforts are underway in BRSA 5 & 6.

A detailed summary of activities is included in the 'September 2016 Monthly Progress Report' which can be found in the 'Documents' section of the project website.

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

See PolRep #1

2.1.4 Progress Metrics

The following materials were managed during the reporting period.

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
Cardboard	solid	50 lbs	NA	recycling	Otsego Recycling Center
Plastic	solid	20 lbs	NA	recycling	Otsego Recycling Center
Contaminated soil (< 50 ppm PCBs)	solid	none shipped to date		disposal	Republic Ottawa County Farms Landfill, Coopersville, MI
Contact water	liquid	62,500 gal	NA	on-site WWTP	On-site reuse/discharge to Kalamazoo River

2.2 Planning Section

2.2.1 Anticipated Activities

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

- Continue excavation of contaminated sediments and bank soils in BRSA 1;
- Reconstruct & restore excavated grids in BRSA 1;

- Solidify/stage/transport contaminated sediments & bank soils for disposal at approved landfill facilities;
- Continue treatment of contact water in the on site WWTP; and
- Continue operation of dust and turbidity control/monitoring systems.

2.2.1.1 Planned Response Activities

See Sections 2.2.1 & 2.2.1.2.

2.2.1.2 Next Steps

- Plans are under development for removal operations BRSA 3. A Technical Memorandum outlining the approach for BRSA 3 will be submitted by October 14.

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

See PolRep #1

2.5.2 Liaison Officer

Diane Russell (US EPA) continues in the role of CIC.

2.5.3 Information Officer

A tour was provided to a reporter/photographer from the Allegan News on September 22.

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

Michigan DEQ - 1

Michigan DNR - 1

START - 2

Envirocon: 16

AMEC-FW: 3

Spicer Group: 1

Environmental Solutions & Innovations, Inc.: 2

TOTAL: 27

5. Definition of Terms

AMEC-FW AMEC Foster Wheeler

BRSA Bank Removal and Stabilization Area

CIC Community Involvement Coordinator

in inches

mg/kg milligrams per kilogram

mg/m³ milligrams per cubic meter

Michigan DEQ Michigan Department of Environmental Quality

Michigan DNR	Michigan Department of Natural Resources
ND	non-detect
NTU	Nephelometric Turbidity Unit
OSC	On Scene Coordinator
PCBs	Poly-chlorinated biphenyls
PM	Particulate Matter
PolRep	Pollution Report
PRP	Potentially Responsible Party
US EPA	United States Environmental Protection Agency
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

PolReps are generated every two weeks during active field activities.

7. Situational Reference Materials

No information available at this time.