

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #6
Progress
Otsego Township Dam Area
059B
Otsego Township, MI
Latitude: 42.4601694 Longitude: -85.7199333

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Date: 10/28/2016

Reporting Period: 10/13/2016 - 10/26/2016

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

The GC continues excavating contaminated sediments and bank soils and restoring excavated grids in BRSA 1. Contaminated material is being loaded out from the staging pad for transport & disposal at an EPA approved landfill facility.

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 grids 31-36, 38, 47-48, and 53-58 (see table below for results). Grids not included in this sequence were either still awaiting analytical results from the laboratory or required additional excavation to meet cleanup objectives. A total of 43 grids have now been excavated. There are 58 grids in BRSA 1. 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)
31	38	0.25
32	41	0.22
33	42	0.58
34	42	2.10
35	43	1.30
36	46	3.10
38	40	2.10
47	36	ND
48	38	ND
53	28	0.42
54	17	0.54
55	18	0.87
56	15	0.54
57	8	3.60
58	22	0.41

ND = non-detect

- Reconstruction / restoration of excavated grids in BRSA 1 (see attached photo);
- Transport/disposal of approximately 1,402 tons of excavated soils to an EPA approved landfill facility. A total of 2,943 tons of excavated soils have been transported from BRSA 1 for disposal to date;
- Treatment of contact water from contaminated grids and the contaminated soils staging pad in the on site WWTP. Approximately 56,292 gallons were treated during the reporting period. A total of approximately 219,000 gallons have been treated since the start of the project. Sampling results continue to confirm 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; and
- Turbidity control measures and monitoring in Kalamazoo River around the BRSA 1 (1 upstream monitor and 2 downstream monitors) with no sustained exceedances of the action level of 50 NTUs above upstream levels.

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	110 lbs	NA	recycling	Otsego Recycling Center
Plastic	solid	40 lbs	NA	recycling	Otsego Recycling Center
Contaminated soil (< 50 ppm PCBs)	solid	1401.87 tons	various	disposal	Republic Ottawa County Farms Landfill, Coopersville, MI
Contact water	liquid	56,292 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:

- Excavation of contaminated sediments and bank soils in remaining grids of BRSA 1, including TSCA material (soils > 50 mg/kg total PCBs) from grid 29;

- Reconstruction & restoration of excavated grids in BRSA 1;
- Solidification/staging/transport of contaminated sediments & bank soils for disposal;
- Treatment of contact water in the on site WWTP;
- Operation of dust and turbidity control/monitoring systems; and
- Maintenance/monitoring of the temporary WCS.

2.2.1.1 Planned Response Activities

See Sections 2.2.1 & 2.2.1.2.

2.2.1.2 Next Steps

- A draft Technical Memorandum outlining the approach for BRSAs 2 & 3 was submitted on October 21. EPA is currently coordinating review of the document with state, federal and local partners.

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

The OSC and CIC are serving in this role.

2.5.3 Information Officer

The OSC and CIC are serving in this role.

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 - 2

Michigan DNR - 1

START - 2

Envirocon: 20

AMEC-FW: 3

Spicer Group: 1

TOTAL: 30

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

TSCA Toxic Substances Control Act

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

PolReps are generated every two weeks during active field activities.

7. Situational Reference Materials

No information available at this time.